FINAL SUBMITTAL

ENERGY ENGINEERING ANALYSIS PROGRAM

LIGHTING SURVEY OF SELECTED BUILDINGS

PINE BLUFF ARSENAL

PINE BLUFF, ARKANSAS

VOLUME IIB

APPENDICES

CONTRACT NO. DACA01-94-D-0038
DELIVERY ORDER NO. 0001

PREPARED FOR:

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK, ARKANSAS

PREPARED BY:

REYNOLDS, SMITH AND HILLS, INC.
ENERGY SERVICES DEPARTMENT
P.O. BOX 4850
JACKSONVILLE, FLORIDA 32201

PROJECT NO. 6941331001

JUNE 1995

Carlos S. Warren, PhD, PE
Project Manager

VOLUME IIB
TABLE OF CONTENTS

APPENDIX B (CONT'D)

DETAIL CALCULATIONS

Bldg 13-030 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
T	82	8	656
T2	164	17	2,788
X5	75	1	75
Totals		26	3,519

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
T4	110	12	1,320
T8	59	6	354
TR	59	7	413
X5	75	1	75
Totals		26	2,162

13-030 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-030 Type: Indoor

Luminaire Fixture Schedule / PRESENT	
Project name: PBA Lighting Survey - Bldg 13-030	Project #6941331
Prepared for: Corps of Engineers	Date: 1-Feb-95
Prepared by: C. Warren	UPD: 1.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
T	2'X4' 2L SURFACE MOUNT LENS- PRISMATIC A12 COLUMBIA 2SM240-EXA	F40CW ESB	000 - 82	8	
T2	2'X4' 4L SURFACE MOUNT LENS- PRISMATIC A12 COLUMBIA 2SM440-EXA	F40CW ESB	000 - 164	17	
X5	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	75A19/IF NA	000 - 75	1	

NOTES:

13-030 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-030 Type: Indoor

Luminaire Fixture Schedule / PROPOSED

Project name: PBA Lighting Survey - Bldg 13-030	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 0.8W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
T4	2'X4' 4L SURFACE MOUNT LENS- PRISMATIC A12 COLUMBIA 2SM440-EXA	FO32/35K EOCT	000 - 110	12	
T8	2'X4' 2L SURFACE MOUNT LENS- PRISMATIC A12 COLUMBIA 2SM240-EXA	FO32/35K EOCT	000 - 59	6	
TR	2X4 LENSED TROFFER SILVER NORMAL BEAM REFLECTOR] METALOPTICS 24TRSO42EP11	FO32/35K EOCT	000 - 59	7	
X5	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	75A19/IF NA	000 - 75	1	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-030 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 13-030	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 1.0W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
OPERATIONS	12x18x10Ft	(3) Type T2	2.3	1
OPERATIONS-N	12x18x10Ft	(3) Type TR	0.8	1
CLERK	12x11x10Ft	(1) Type T2	1.2	1
LERK-N	12x11x10Ft	(1) Type T4	0.8	1
COMMANDER	12x10x10Ft	(1) Type T2	1.4	1
COMMANDER-N	12x10x10Ft	(1) Type T4	0.9	1
SECURITY ROOM	12x9x10Ft	(1) Type T	0.8	1
SECURITY ROOM-N	12x9x10Ft	(1) Type T8	0.5	1
SR SUPERVISOR	12x9x10Ft	(1) Type T2	1.5	1
SR SUPERVISOR-N	12x9x10Ft	(1) Type T4	1.0	1
PUBLICATIONS	12x9x10Ft	(1) Type T2	1.5	1
PUBLICATIONS-N	12x9x10Ft	(1) Type T4	1.0	1
LATRINE	12x9x10Ft	(1) Type T	0.8	1
LATRINE-N	12x9x10Ft	(1) Type T8	0.5	1
EQUIPMENT ROOM	12x7x10Ft	(1) Type T	1.0	1
EQUIP. ROOM-N	12x7x10Ft	(1) Type T8	0.7	1
AUNDRY	12x7x10Ft	(1) Type T	1.0	1
LAUNDRY-N	12x7x10Ft	(1) Type T8	0.7	1
MAINTENANCE	12x9x10Ft	(1) Type T2	1.5	1

MAINTENANCE-N	12x9x10Ft	(1)	Type T4	1.0	1
SUPPLY STORAGE	12x9x10Ft	(1)	Type T	0.8	1
SUPPLY STORES-N	12x9x10Ft	(1)	Type T8	0.5	1
SUPPLY OFFICE	12x9x10Ft	(1)	Type T2	1.5	1
SUPPLY OFFICE-N	12x9x10Ft	(1)	Type T4	1.0	1
DRESS OUT ROOM	12x9x10Ft	(1)	Type T	0.8	1
DRESS OUT RM.-N	12x9x10Ft	(1)	Type TR	0.5	1
CLASSROOM	19x15x10Ft	(3)	Type T2	1.7	1
CLASSROOM-N	19x15x10Ft	(3)	Type T4	1.2	1
CLASSROOM OFC	9x15x10Ft	(1)	Type T2	1.2	1
CLASSROOM OFC-N	9x15x10Ft	(1)	Type T4	0.8	1
KITCHEN	18x16x10Ft	(2)	Type T2	1.1	1
ITCHEN-N	18x16x10Ft	(2)	Type T4	0.8	1
WORK ROOM	10x8x10Ft	(1)	Type T	1.0	1
WORK ROOM-N	10x8x10Ft	(1)	Type TR	0.7	1
TOOL ROOM	6x8x10Ft	(1)	Type T	1.7	1
TOOL ROOM-N	6x8x10Ft	(1)	Type T8	1.2	1
LATRINE	4x8x10Ft	(1)	Type X5	2.3	1
HALLWAY	5x64x10Ft	(2)	Type T2	1.0	1
HALLWAY-N	5x64x10Ft	(2)	Type TR	0.4	1

NOTES:

13-030 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-030 Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Bldg 13-030	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 1.0W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
OPERATIONS	12x18x10Ft	Ceiling	<+> 61.2	85.1	37.4
OPERATIONS-N	12x18x10Ft	Ceiling	<+> 43.6	58.1	27.7
CLERK	12x11x10Ft	Ceiling	<+> 32.8	50.0	19.7
CLERK-N	12x11x10Ft	Ceiling	<+> 29.3	44.6	17.6
COMMANDER	12x10x10Ft	Ceiling	<+> 33.6	50.8	20.4
COMMANDER-N	12x10x10Ft	Ceiling	<+> 30.0	45.3	18.2
SECURITY ROOM	12x9x10Ft	Ceiling	<+> 17.3	22.8	12.4
SECURITY ROOM-N	12x9x10Ft	Ceiling	<+> 15.4	20.4	11.0
SR SUPERVISOR	12x9x10Ft	Ceiling	<+> 36.6	50.2	24.2
SR SUPERVISOR-N	12x9x10Ft	Ceiling	<+> 32.6	44.8	21.6
PUBLICATIONS	12x9x10Ft	Ceiling	<+> 36.6	50.2	24.2
PUBLICATIONS-N	12x9x10Ft	Ceiling	<+> 32.6	44.8	21.6
LATRINE	12x9x10Ft	Ceiling	<+> 17.3	22.8	12.4
LATRINE-N	12x9x10Ft	Ceiling	<+> 15.4	20.4	11.0
EQUIPMENT ROOM	12x7x10Ft	Ceiling	<+> 19.3	24.9	14.5
EQUIP. ROOM-N	12x7x10Ft	Ceiling	<+> 17.2	22.2	13.0
LAUNDRY	12x7x10Ft	Ceiling	<+> 19.3	24.9	14.5
LAUNDRY-N	12x7x10Ft	Ceiling	<+> 17.2	22.2	13.0

MAINTENANCE	12x9x10Ft	Ceiling	<+>	36.6	50.2	24.2
MAINTENANCE-N	12x9x10Ft	Ceiling	<+>	32.6	44.8	21.6
SUPPLY STORAGE	12x9x10Ft	Ceiling	<+>	17.3	22.8	12.4
SUPPLY STORES-N	12x9x10Ft	Ceiling	<+>	15.4	20.4	11.0
SUPPLY OFFICE	12x9x10Ft	Ceiling	<+>	36.6	50.2	24.2
SUPPLY OFFICE-N	12x9x10Ft	Ceiling	<+>	32.6	44.8	21.6
DRESS OUT ROOM	12x9x10Ft	Ceiling	<+>	17.3	22.8	12.4
DRESS OUT RM.-N	12x9x10Ft	Ceiling	<+>	26.0	34.2	17.8
CLASSROOM	19x15x10Ft	Ceiling	<+>	52.4	78.5	20.6
CLASSROOM-N	19x15x10Ft	Ceiling	<+>	46.7	70.0	18.4
CLASSROOM OFC	9x15x10Ft	Ceiling	<+>	32.3	50.6	17.5
CLASSROOM OFC-N	9x15x10Ft	Ceiling	<+>	28.8	45.1	15.7
KITCHEN	18x16x10Ft	Ceiling	<+>	33.1	53.7	14.7
KITCHEN-N	18x16x10Ft	Ceiling	<+>	29.5	47.9	13.1
WORK ROOM	10x8x10Ft	Ceiling	<+>	19.7	24.8	15.7
WORK ROOM-N	10x8x10Ft	Ceiling	<+>	29.8	36.5	23.4
TOOL ROOM	6x8x10Ft	Ceiling	<+>	24.5	28.0	21.8
TOOL ROOM-N	6x8x10Ft	Ceiling	<+>	21.9	25.0	19.5
LATRINE	4x8x10Ft	Ceiling	<+>	7.2	12.6	1.9
HALLWAY	5x64x10Ft	Ceiling	<+>	20.1	50.7	2.1
HALLWAY-N	5x64x10Ft	Ceiling	<+>	14.0	34.6	1.5

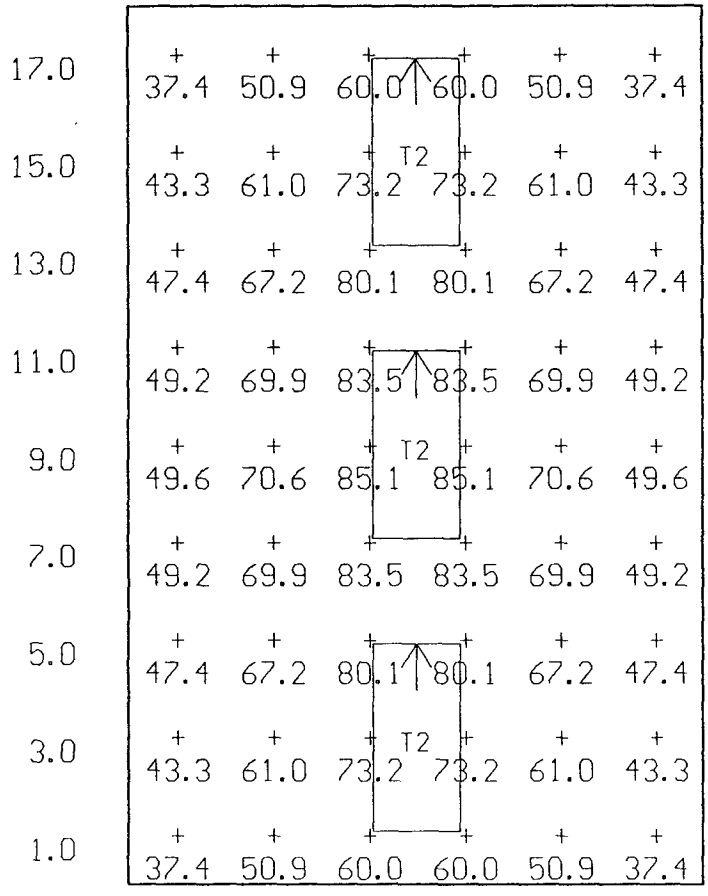
NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:38 1-Feb-95
PROJECT: 13-030 AREA: OPERATIONS GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=37.4 MAX=85.1 AVE=61.2 AVE/MIN= 1.63 MAX/MIN= 2.27

T2 (3) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

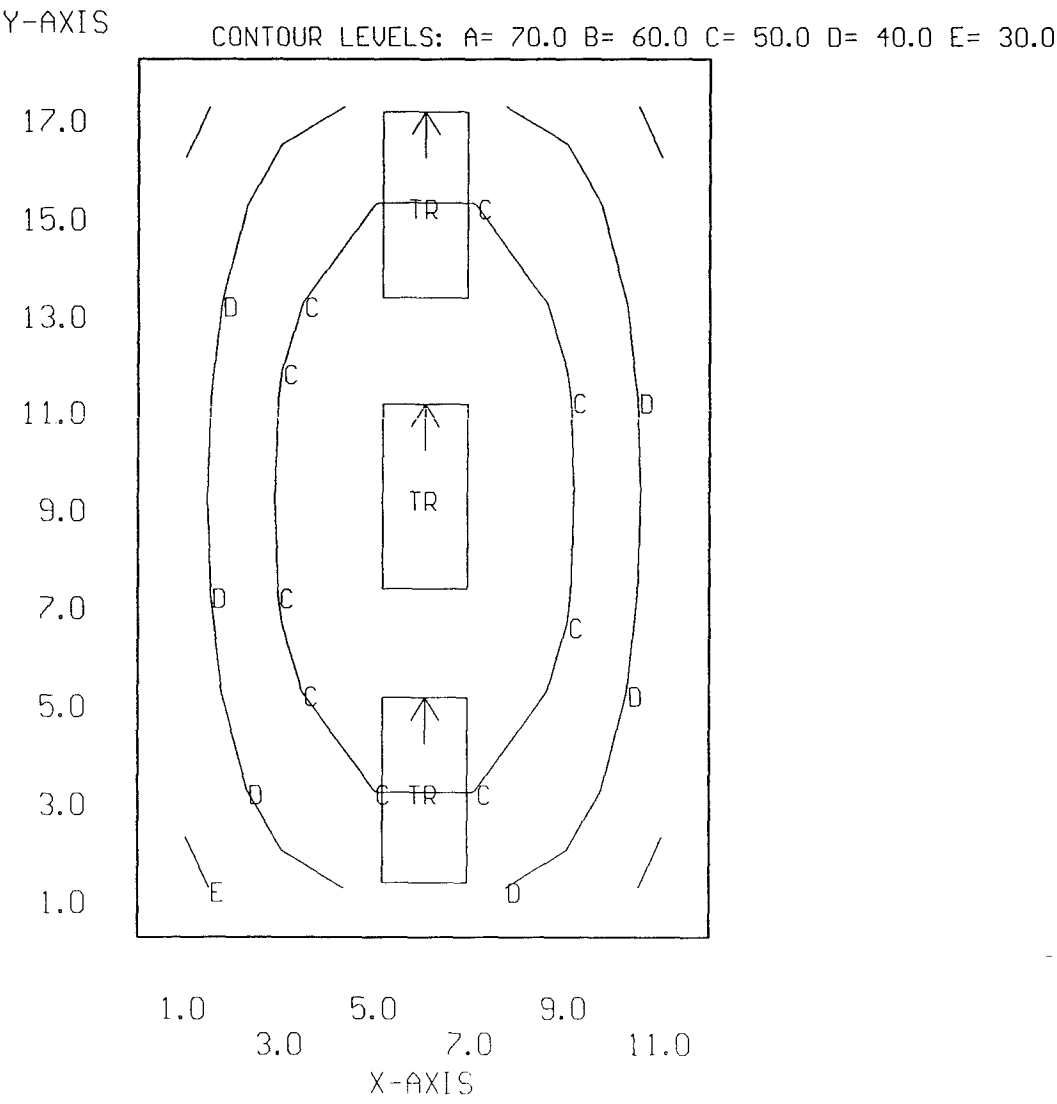
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:53 3-Mar-95
PROJECT: 13-030 AREA: OPERATIONS-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=27.7 MAX=58.1 AVE=43.6 AVE/MIN= 1.58 MAX/MIN= 2.10

TR (3) = T10618 METALOPTICS 24TRS042EP11, (2) F032/35K, LLF= 0.81

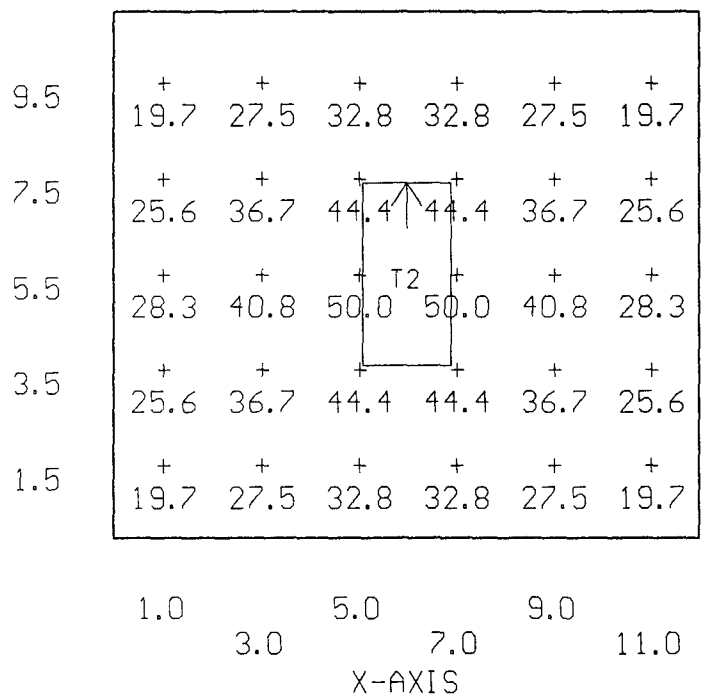


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:41 1-Feb-95
PROJECT: 13-030 AREA: CLERK GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=19.7 MAX=50.0 AVE=32.8 AVE/MIN= 1.67 MAX/MIN= 2.54

T2 <1> = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

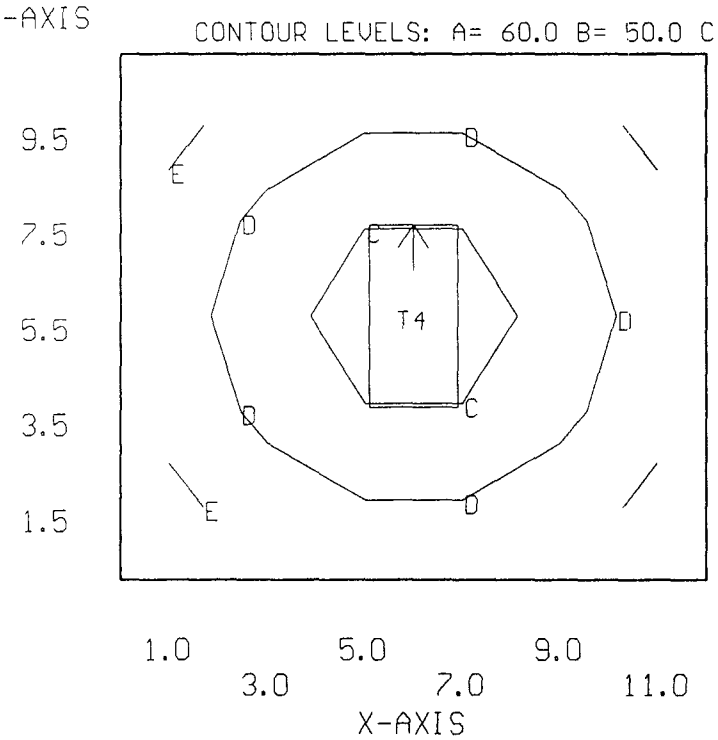
Y-AXIS



USi's LITE*PRO V2.27E Point-By-Point Numeric Output 15:58 3-Mar-95
PROJECT: 13-030 AREA: CLERK-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.6 MAX=44.6 AVE=29.3 AVE/MIN= 1.67 MAX/MIN= 2.54

T4 (1) = K8277 COLUMBIA 2SM440-EXA, (4) FO32/35K, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:47 1-Feb-95
PROJECT: 13-030 AREA: COMMANDER GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.4 MAX=50.8 AVE=33.6 AVE/MIN= 1.65 MAX/MIN= 2.49

T2 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

Y-AXIS

9.0	20.4	28.3	34.0	34.0	28.3	20.4
7.0	26.2	37.4	45.3	45.3	37.4	26.2
5.0	28.9	41.5	50.8	50.8	41.5	28.9
3.0	26.2	37.4	45.3	45.3	37.4	26.2
1.0	20.4	28.3	34.0	34.0	28.3	20.4

T2

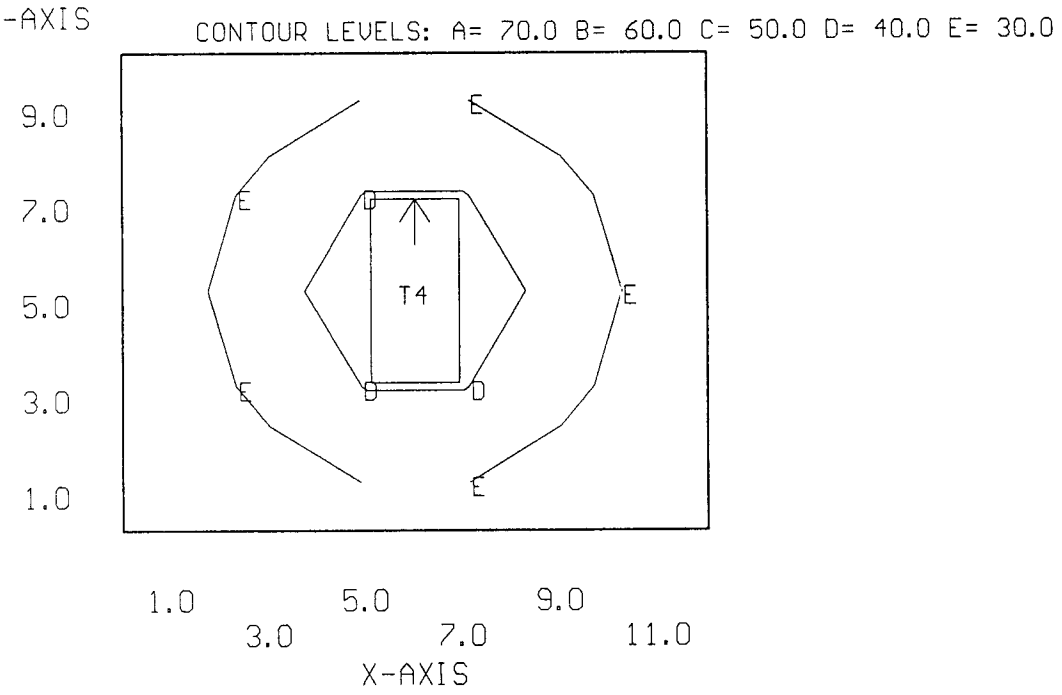
1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:19 6-Mar-95
PROJECT: 13-030 AREA: COMMANDER-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.2 MAX=45.3 AVE=30.0 AVE/MIN= 1.65 MAX/MIN= 2.49

T4 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F032/35K, LLF= 0.66

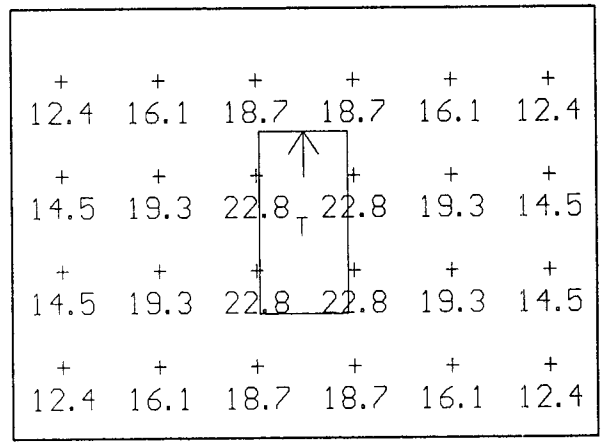


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:51 1-Feb-95
PROJECT: 13-030 AREA: SECURITY ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.4 MAX=22.8 AVE=17.3 AVE/MIN= 1.40 MAX/MIN= 1.85

T <1> = K8592 COLUMBIA 2SM240-EXA, (2) F40CW, LLF= 0.68

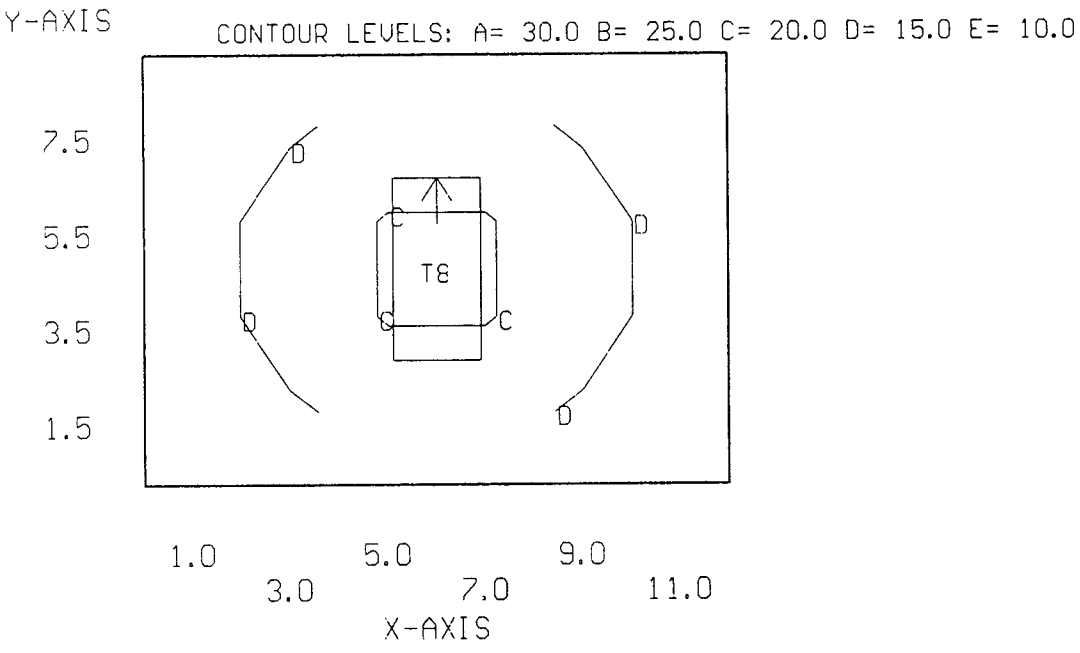
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:22 6-Mar-95
PROJECT: 13-030 AREA: SECURITY ROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.0 MAX=20.4 AVE=15.4 AVE/MIN= 1.40 MAX/MIN= 1.85

T8 (1) = K8592 COLUMBIA 2SM240-EXA, (2) FO32/35K, LLF= 0.66

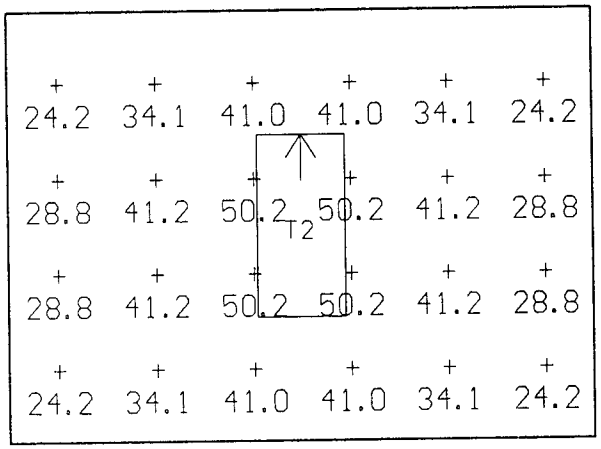


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:59 1-Feb-95
PROJECT: 13-030 AREA: SR SUPERVISOR GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.2 MAX=50.2 AVE=36.6 AVE/MIN= 1.51 MAX/MIN= 2.08

T2 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

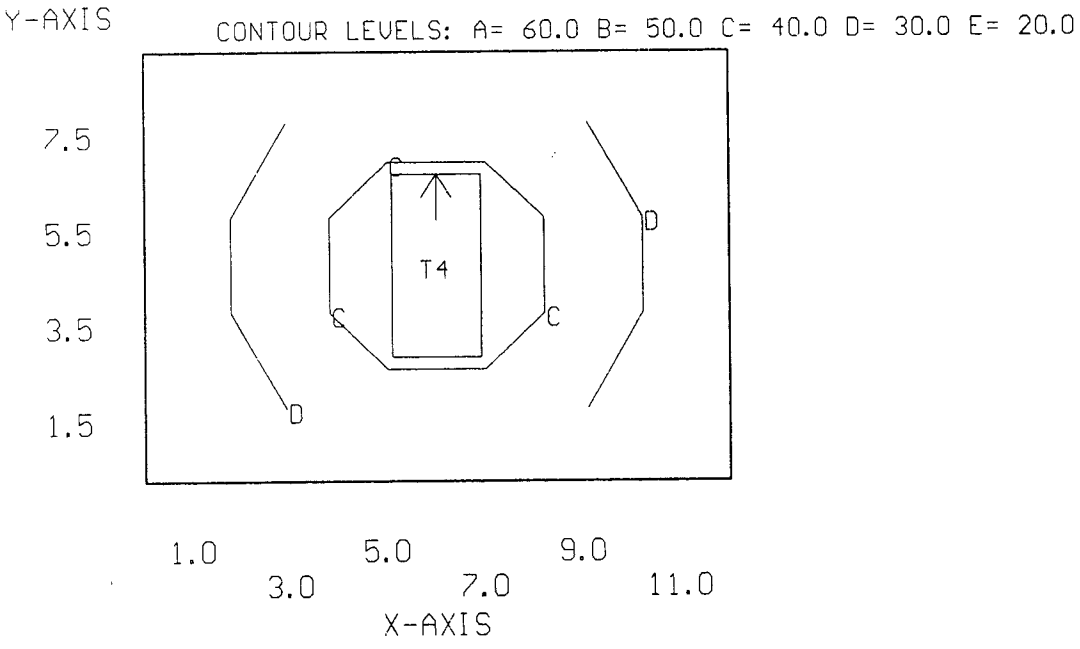
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:25 6-Mar-95
PROJECT: 13-030 AREA: SR SUPERVISOR-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

\+ MIN=21.6 MAX=44.8 AVE=32.6 AVE/MIN= 1.51 MAX/MIN= 2.08

T4 (1) = K8277 COLUMBIA 2SM440-EXA, (4) FC32/35K, LLF= 0.66

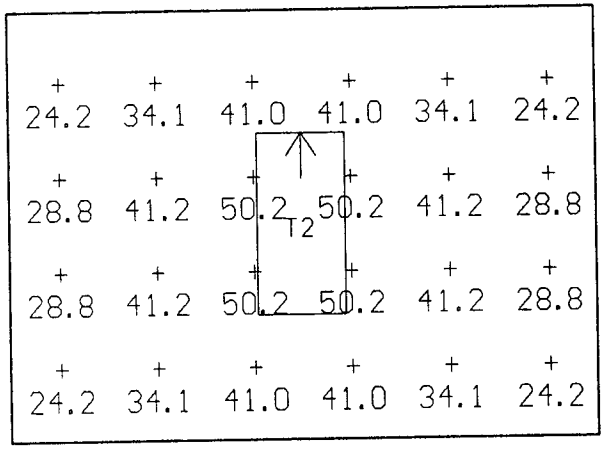


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:57 1-Feb-95
PROJECT: 13-030 AREA: PUBLICATIONS GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.2 MAX=50.2 AVE=36.6 AVE/MIN= 1.51 MAX/MIN= 2.08

T2 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

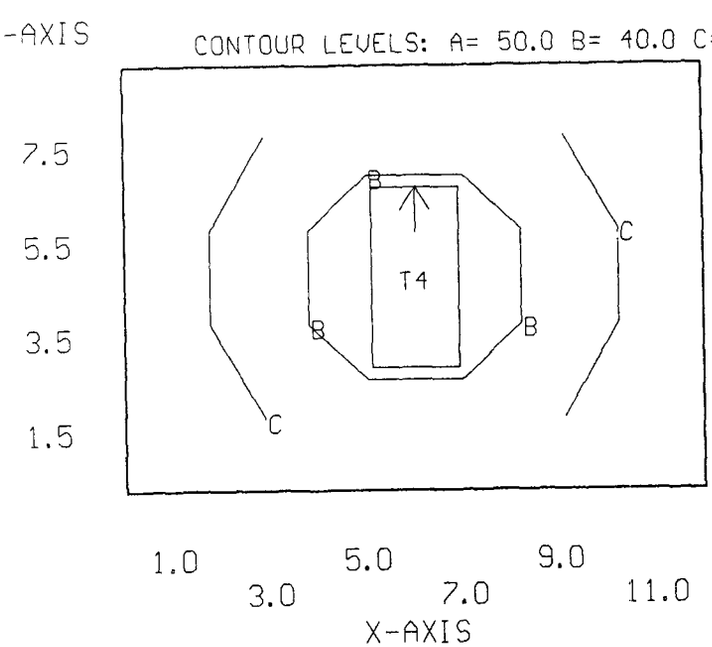
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:27 6-Mar-95
PROJECT: 13-030 AREA: PUBLICATIONS-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.6 MAX=44.8 AVE=32.6 AVE/MIN= 1.51 MAX/MIN= 2.08

T4 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F032/35K, LLF= 0.66

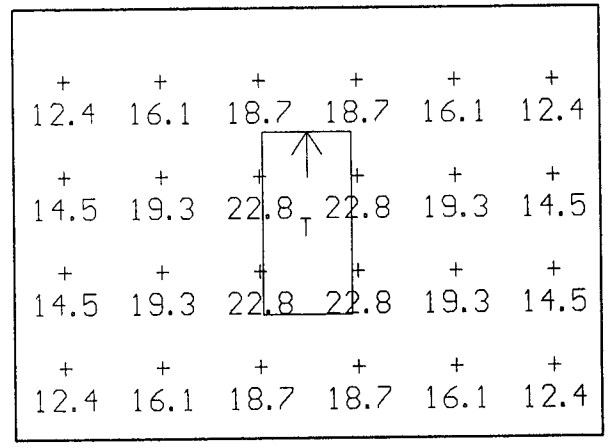


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:03 1-Feb-95
PROJECT: 13-030 AREA: LATRINE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.4 MAX=22.8 AVE=17.3 AVE/MIN= 1.40 MAX/MIN= 1.85

T <1> = K8592 COLUMBIA 2SM240-EXA, (2) F40CW, LLF= 0.68

Y-AXIS

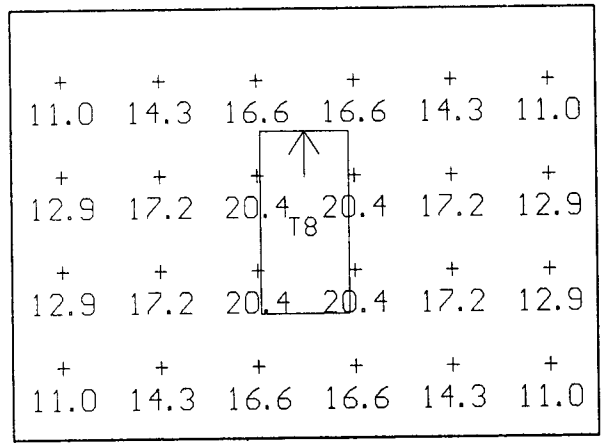


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:29 6-Mar-95
PROJECT: 13-030 AREA: LATRINE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.0 MAX=20.4 AVE=15.4 AVE/MIN= 1.40 MAX/MIN= 1.85

T8 (1) = K8592 COLUMBIA 2SM240-EXA, (2) F032/35K, LLF= 0.66

Y-AXIS

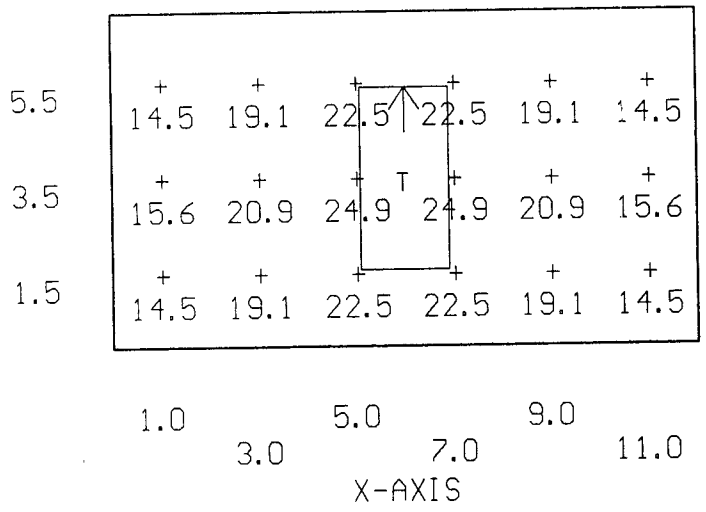


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:06 1-Feb-95
PROJECT: 13-030 AREA: EQUIPMENT ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.5 MAX=24.9 AVE=19.3 AVE/MIN= 1.33 MAX/MIN= 1.72

T <1> = K8592 COLUMBIA 2SM240-EXA, (2) F40CW, LLF= 0.68

Y-AXIS

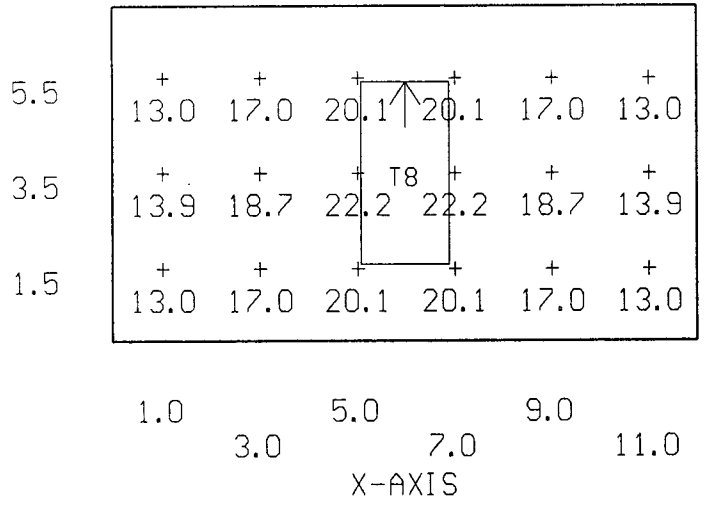


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:31 6-Mar-95
PROJECT: 13-030 AREA: EQUIP. ROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.0 MAX=22.2 AVE=17.2 AVE/MIN= 1.33 MAX/MIN= 1.72

T8 (1) = K8592 COLUMBIA 2SM240-EXA, (2) F032/35K, LLF= 0.66

Y-AXIS

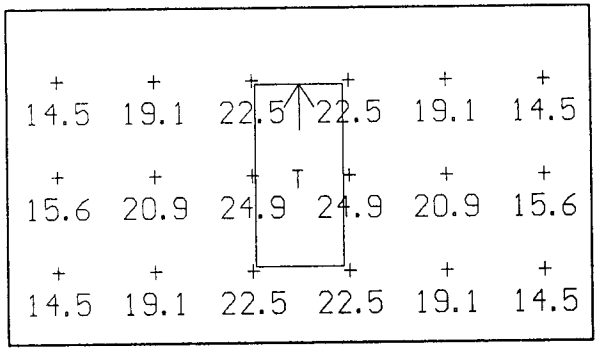


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:08 1-Feb-95
PROJECT: 13-030 AREA: LAUNDRY GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.5 MAX=24.9 AVE=19.3 AVE/MIN= 1.33 MAX/MIN= 1.72

T <1> = K8592 COLUMBIA 2SM240-EXA, (2) F40CW, LLF= 0.68

Y-AXIS

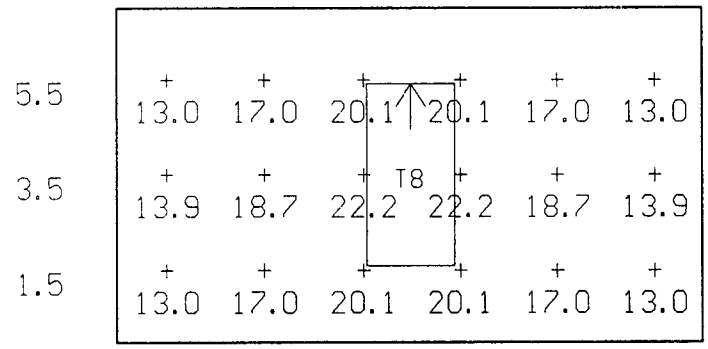


USI's LITE*PRO J2.27E Point-By-Point Numeric Output 11:35 6-Mar-95
PROJECT: 13-030 AREA: LAUNDRY-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.0 MAX=22.2 AVE=17.2 AVE/MIN= 1.33 MAX/MIN= 1.72

T8 (1) = K8592 COLUMBIA 2SM240-EXA, (2) FO32/35K, LLF= 0.66

Y-AXIS



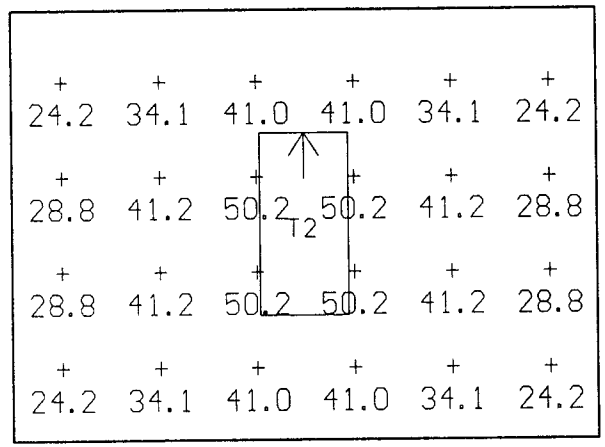
1.0 5.0 9.0
3.0 7.0 11.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:11 1-Feb-95
PROJECT: 13-030 AREA: MAINTENANCE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.2 MAX=50.2 AVE=36.6 AVE/MIN= 1.51 MAX/MIN= 2.08

T2 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

Y-AXIS

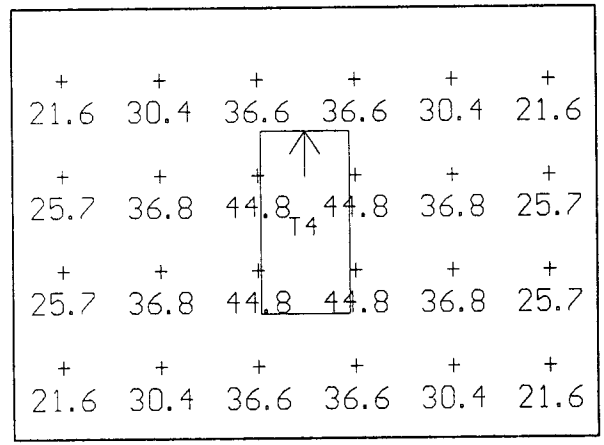


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:37 6-Mar-95
PROJECT: 13-030 AREA: MAINTENANCE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.6 MAX=44.8 AVE=32.6 AVE/MIN= 1.51 MAX/MIN= 2.08

T4 (1) = K8277 COLUMBIA 2SM440-EXA, (4) FO32/35K, LLF= 0.66

Y-AXIS

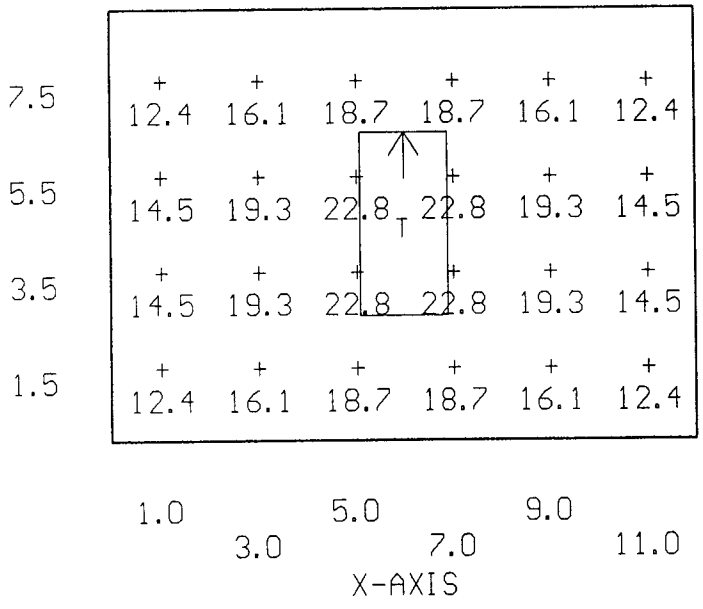


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:13 1-Feb-95
PROJECT: 13-030 AREA: SUPPLY STORAGE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.4 MAX=22.8 AVE=17.3 AVE/MIN= 1.40 MAX/MIN= 1.85

T (1) = K8592 COLUMBIA 2SM240-EXA, (2) F40CW, LLF= 0.68

Y-AXIS

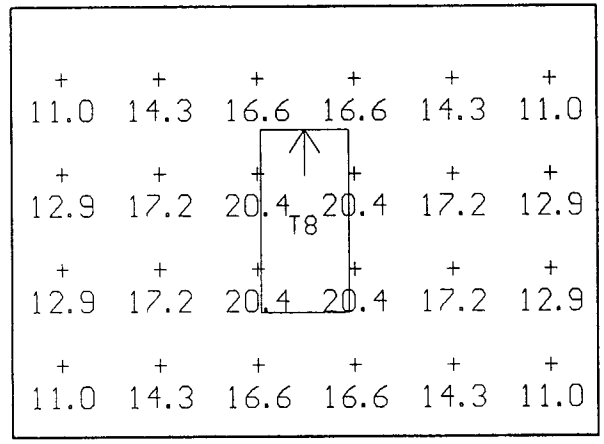


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:14 6-Mar-95
PROJECT: 13-030 AREA: SUPPLY STORES-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.0 MAX=20.4 AVE=15.4 AVE/MIN= 1.40 MAX/MIN= 1.85

T8 (1) = K8592 COLUMBIA 2SM240-EXA, (2) F032/35K, LLF= 0.66

Y-AXIS

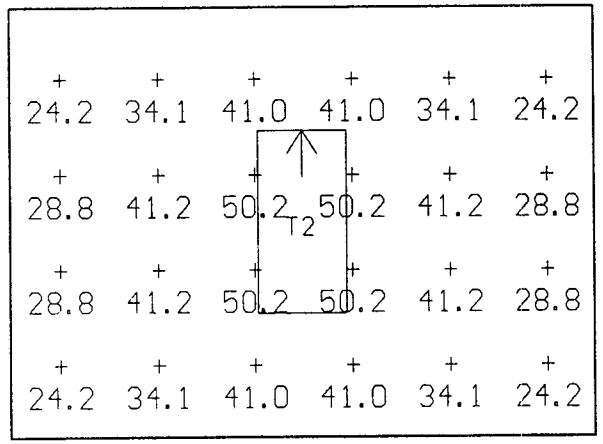


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:15 1-Feb-95
PROJECT: 13-030 AREA: SUPPLY OFFICE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.2 MAX=50.2 AVE=36.6 AVE/MIN= 1.51 MAX/MIN= 2.08

T2 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

Y-AXIS

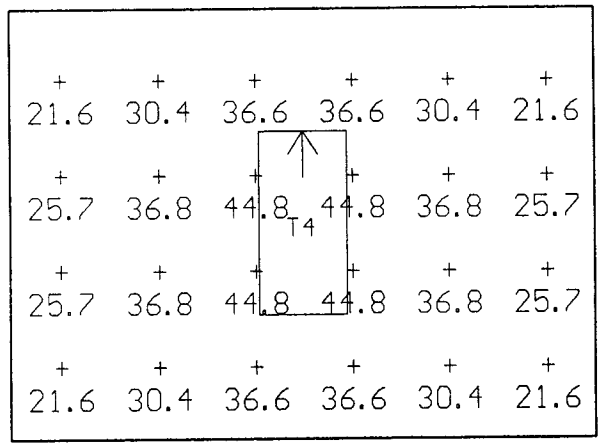


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:16 6-Mar-95
PROJECT: 13-030 AREA: SUPPLY OFFICE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.6 MAX=44.8 AVE=32.6 AVE/MIN= 1.51 MAX/MIN= 2.08

T4 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F032/35K, LLF= 0.66

Y-AXIS

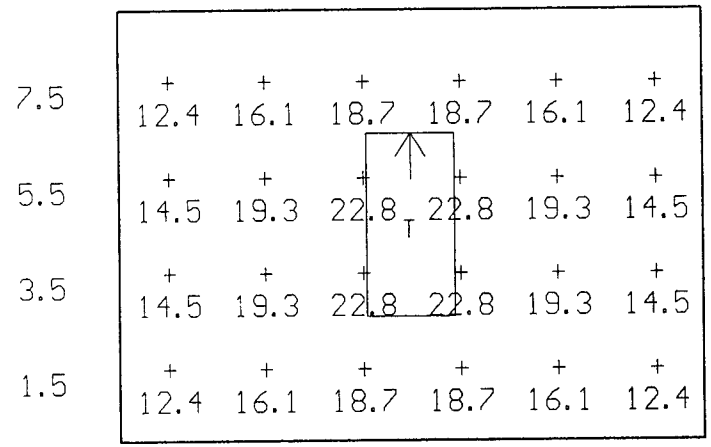


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:37 1-Feb-95
PROJECT: 13-030 AREA: DRESS OUT ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.4 MAX=22.8 AVE=17.3 AVE/MIN= 1.40 MAX/MIN= 1.85

T <1> = K8592 COLUMBIA 2SM240-EXA, (2) F40CW, LLF= 0.68

Y-AXIS

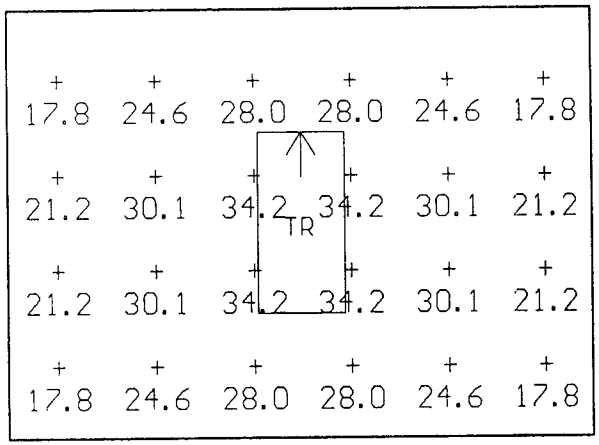


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:19 6-Mar-95
PROJECT: 13-030 AREA: DRESS OUT RM.-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.8 MAX=34.2 AVE=26.0 AVE/MIN= 1.46 MAX/MIN= 1.93

TR (1) = T10618 METALOPTICS 24TRS042EP11, (2) FO32/35K, LLF= 0.81

Y-AXIS

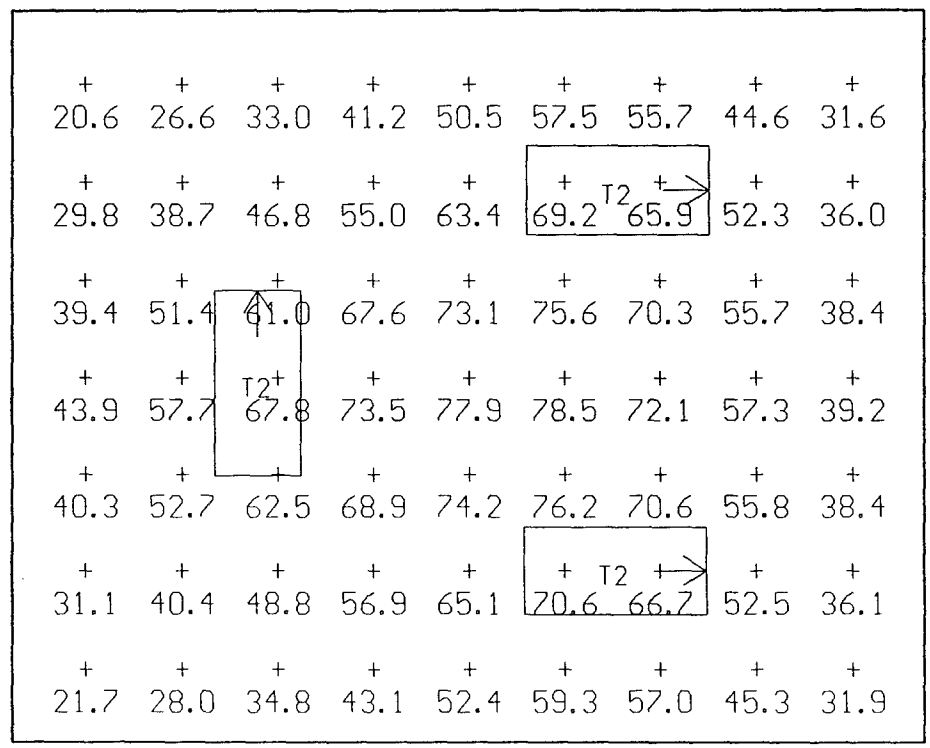


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:41 1-Feb-95
PROJECT: 13-030 AREA: CLASSROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.6 MAX=78.5 AVE=52.4 AVE/MIN= 2.54 MAX/MIN= 3.80

T2 (3) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

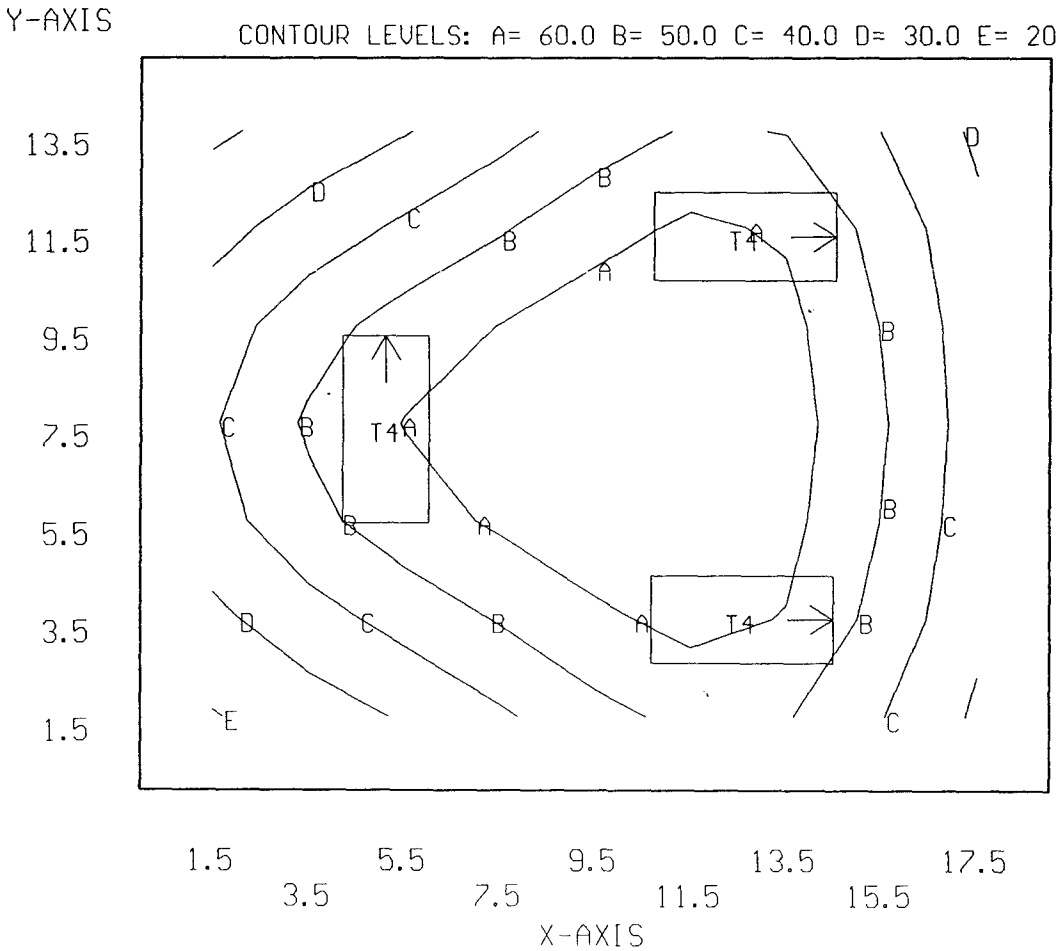
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:27 6-Mar-95
PROJECT: 13-030 AREA: CLASSROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.4 MAX=70.0 AVE=46.7 AVE/MIN= 2.54 MAX/MIN= 3.80

T4 (3) = K8277 COLUMBIA 2SM440-EXA, (4) F032/35K, LLF= 0.66

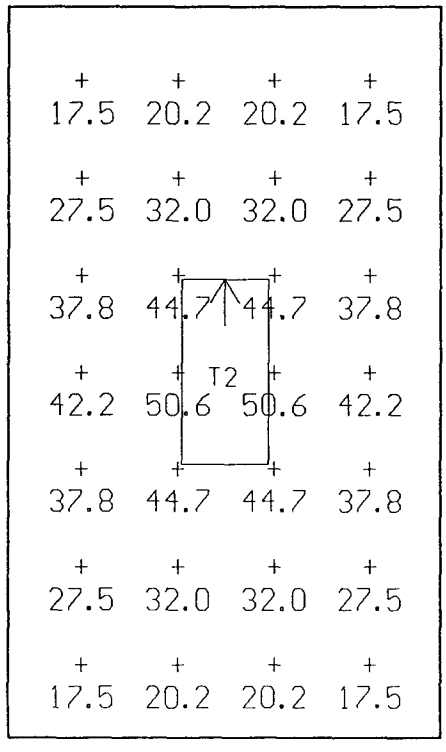


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:45 1-Feb-95
PROJECT: 13-030 AREA: CLASSROOM OFC GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.5 MAX=50.6 AVE=32.3 AVE/MIN= 1.84 MAX/MIN= 2.88

T2 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

Y-AXIS



1.5 3.5 5.5 7.5

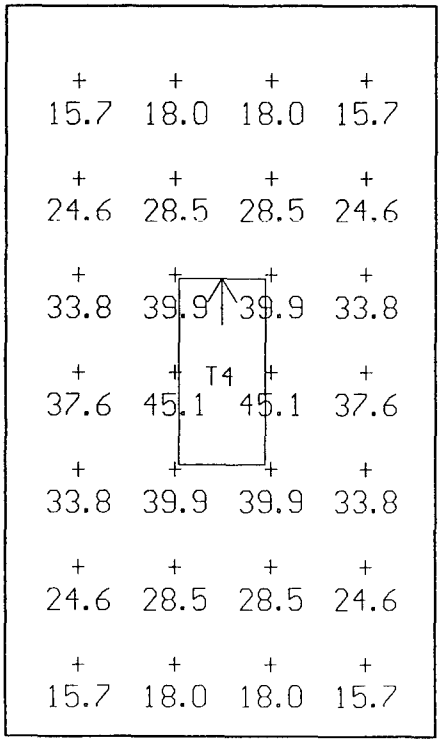
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:36 6-Mar-95
PROJECT: 13-030 AREA: CLASSROOM OFC-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.7 MAX=45.1 AVE=28.8 AVE/MIN= 1.84 MAX/MIN= 2.88

T4 (1) = K8277 COLUMBIA 2SM440-EXA, (4) F032/35K, LLF= 0.66

Y-AXIS



1.5 3.5 5.5 7.5

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:48 1-Feb-95
PROJECT: 13-030 AREA: KITCHEN GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.7 MAX=53.7 AVE=33.1 AVE/MIN= 2.25 MAX/MIN= 3.65

T2 <2> = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

Y-AXIS

15.0	14.7	16.9	17.9	17.5	17.1	17.5	17.9	16.9	14.7
13.0	23.1	27.4	28.7	27.7	26.5	27.7	28.7	27.4	23.1
11.0	34.2	41.0	42.7	40.6	38.7	40.6	42.7	41.0	34.2
9.0	43.1	51.8	53.7	50.1	47.6	50.1	53.7	51.8	43.1
7.0	43.1	51.8	53.7	50.1	47.6	50.1	53.7	51.8	43.1
5.0	34.2	41.0	42.7	40.6	38.7	40.6	42.7	41.0	34.2
3.0	23.1	27.4	28.7	27.7	26.5	27.7	28.7	27.4	23.1
1.0	14.7	16.9	17.9	17.5	17.1	17.5	17.9	16.9	14.7

T2 T2

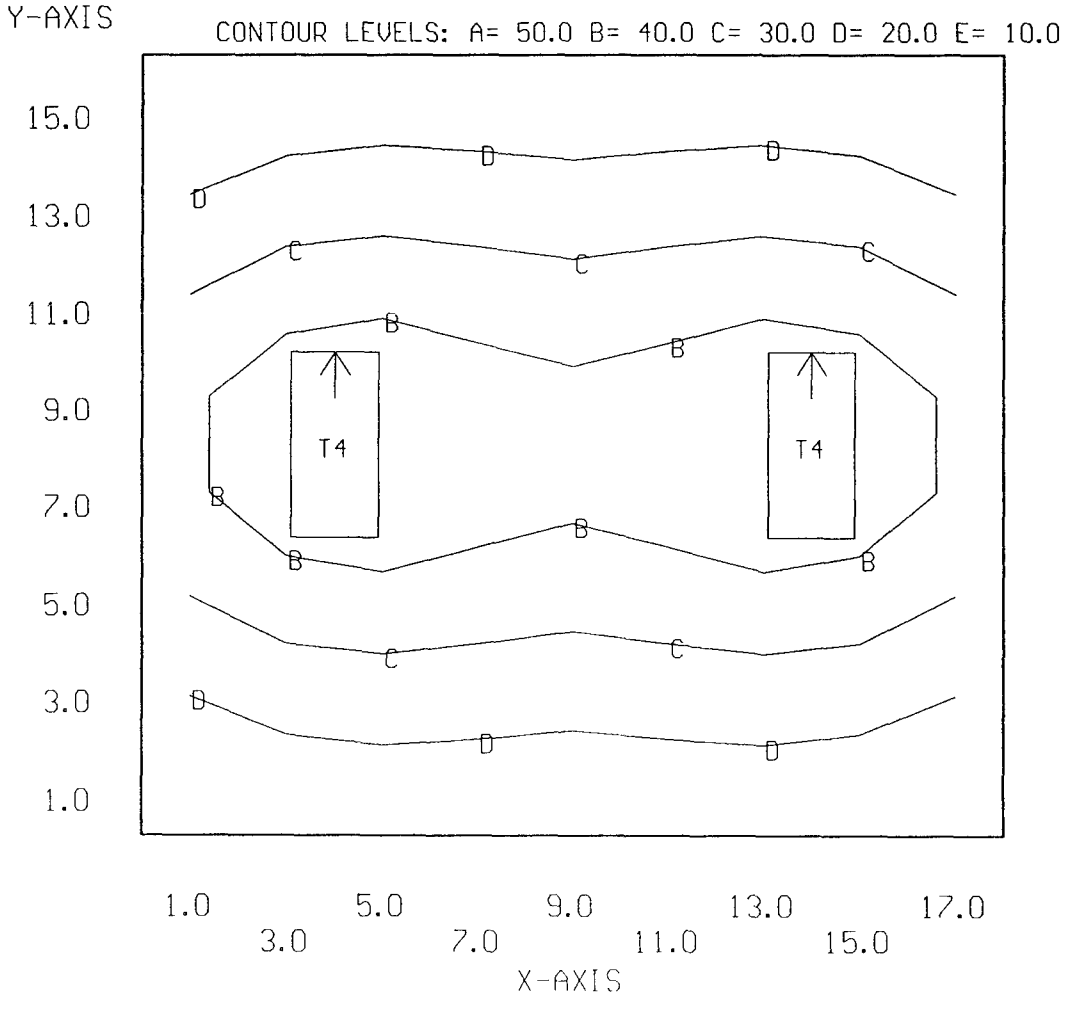
1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0 17.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:39 6-Mar-95
PROJECT: 13-030 AREA: KITCHEN-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.1 MAX=47.9 AVE=29.5 AVE/MIN= 2.25 MAX/MIN= 3.65

T4 <2> = K8277 COLUMBIA 2SM440-EXA, (4) FO32/35K, LLF= 0.66

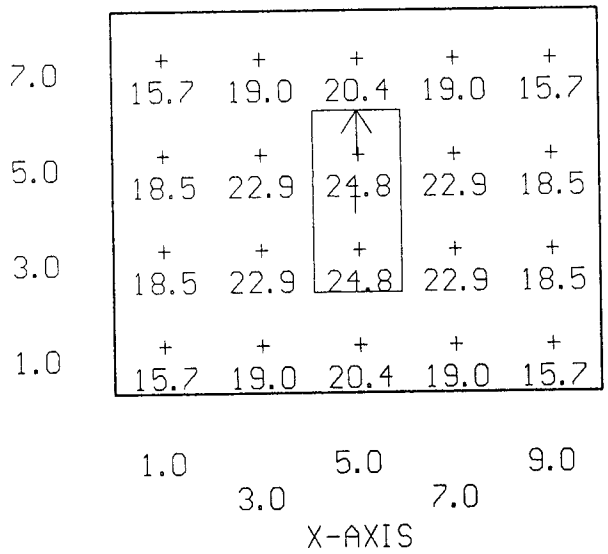


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:52 1-Feb-95
PROJECT: 13-030 AREA: WORK ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.7 MAX=24.8 AVE=19.7 AVE/MIN= 1.26 MAX/MIN= 1.58

T <1> = K8592 COLUMBIA 2SM240-EXA, (2) F40CW, LLF= 0.68

Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:41 6-Mar-95
PROJECT: 13-030 AREA: WORK ROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.4 MAX=36.5 AVE=29.8 AVE/MIN= 1.27 MAX/MIN= 1.56

TR <1> = T10618 METALOPTICS 24TRS042EP11, (2) F032/35K, LLF= 0.81

Y-AXIS

7.0	23.4	28.9	30.1	28.9	23.4
5.0	28.2	35.2	36.5 (TR)	35.2	28.2
3.0	28.2	35.2	36.5	35.2	28.2
1.0	23.4	28.9	30.1	28.9	23.4

1.0 3.0 5.0 7.0 9.0

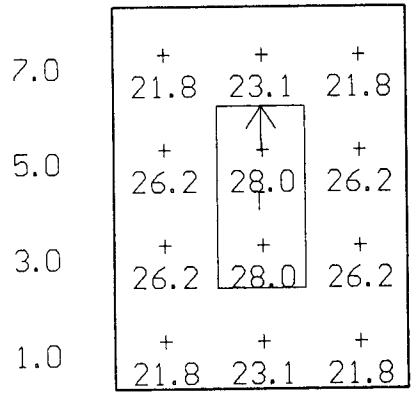
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:54 1-Feb-95
PROJECT: 13-030 AREA: TOOL ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.8 MAX=28.0 AVE=24.5 AVE/MIN= 1.12 MAX/MIN= 1.28

T <1> = K8592 COLUMBIA 2SM240-EXA, (2) F40CW, LLF= 0.68

Y-AXIS



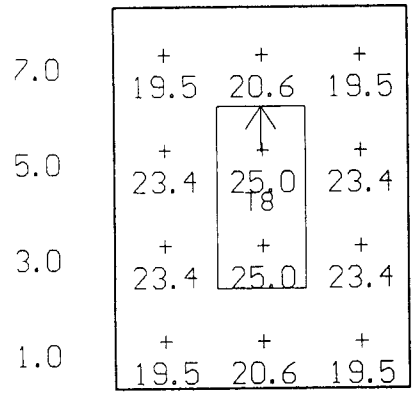
1.0 3.0 5.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:44 6-Mar-95
PROJECT: 13-030 AREA: TOOL ROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=19.5 MAX=25.0 AVE=21.9 AVE/MIN= 1.12 MAX/MIN= 1.28

T8 (1) = K8592 COLUMBIA 2SM240-EXA, (2) FO32/35K, LLF= 0.66

Y-AXIS



1.0 5.0
3.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:58 1-Feb-95
PROJECT: 13-030 AREA: LATRINE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.93 MAX=12.6 AVE=7.16 AVE/MIN= 3.71 MAX/MIN= 6.52

X5 <1> = B1401C PRESCOLITE PBX-TB12, (1) 75A19/IF, LLF= 0.77

Y-AXIS

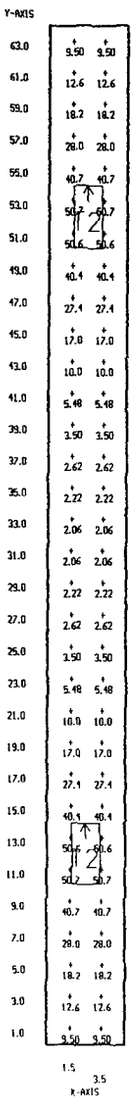
7.0	8.60	8.47
5.0	12.6	12.4
3.0	5.75	5.67
1.0	1.94	1.93

1.0 3.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:04 1-Feb-95
PROJECT: 13-030 AREA: HALLWAY GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.06 MAX=50.7 AVE=20.1 AVE/MIN= 9.72 MAX/MIN= 24.57

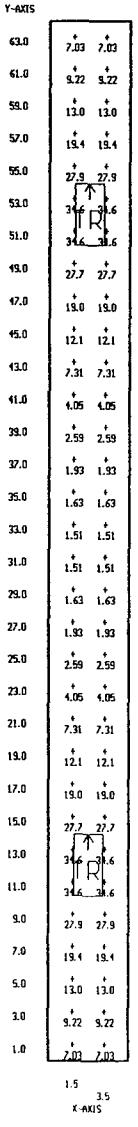
T2 (2) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:48 6-Mar-95
PROJECT: 13-030 AREA: HALLWAY-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.51 MAX=34.6 AVE=14.0 AVE/MIN= 9.23 MAX/MIN= 22.87

TR <2> = T10618 METALOPTICS 24TRS042EP11, (2) F032/35K, LLF= 0.81



Bldg 13-040 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	83	4	332
P2	82	26	2,132
X2	75	1	75
Totals		31	2,539

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	59	4	236
P8	59	22	1,298
CF	48	1	48
Totals		27	1,582

13-040 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-040 Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Building 13-040
Prepared for: Corps of Engineers
Prepared by: C. Warren

Project #6941331
Date: 26-Jan-95
UPD: 1.6W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW ESB	000 - 83	4	
P2	2'X4' 2L NON-REVEAL TROFFER PARABOLIC- 2X6 CELL SPECULAR COLUMBIA P2-242*-42263	F40CW ESB	000 - 82	26	
X2	5"RECESS ROUND DOWNLIGHT,LOWER OPEN- CLEAR ALZAK REFLECTOR PRESCOLITE 1222-262	75A19/SW NA	000 - 75	1	

NOTES:

13-040 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-040 Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA Lighting Survey - Building 13-040	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 1.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	4	
CF	~~6" 2L RECESSED ROUND DOWNLIGHT OPEN - CLEAR ALZAK REFLECTOR PRESCOLITE CFR618-372~~	~~F18DTT/27K STD~~ SCREW-IN COMPACT	000 - ~~18~~ 48	1	
P8	2'X4' 2L NON-REVEAL TROFFER PARABOLIC- 2X6 CELL SPECULAR COLUMBIA P2-242*-42263	FO32/35K EOCT	000 - 59	22	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-040 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Building 13-040	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 1.3W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
ROOM 1	9x10x9Ft	(2) Type A1	1.8	1
ROOM 1-N	9x10x9Ft	(2) Type A8	1.3	1
ROOM 2	9x14x9Ft	(2) Type A1	1.3	1
OOM 2-N	9x14x9Ft	(2) Type A8	0.9	1
ROOM 3	21x15x8Ft	(4) Type P2	1.0	1
ROOM 3-N	21x15x8Ft	(4) Type P8	0.7	1
ROOM 4	10x9x8Ft	(2) Type P2	1.8	1
ROOM 4-N	10x9x8Ft	(2) Type P8	1.3	1
ROOM 5	10x9x8Ft	(2) Type P2	1.8	1
ROOM 5-N	10x9x8Ft	(2) Type P8	1.3	1
ROOM 6	17x9x8Ft	(3) Type P2	1.6	1
ROOM 6-N	17x9x8Ft	(3) Type P8	1.2	1
ROOM 7	15x9x8Ft	(2) Type P2 (1) Type X2	1.8	1
ROOM 7-N	15x9x8Ft	(1) Type CF (2) Type P8	1.2	1
ROOM 8	17x9x8Ft	(3) Type P2	1.6	1
OOM 8-N	17x9x8Ft	(3) Type P8	1.2	1
ROOM 9	17x9x8Ft	(3) Type P2	1.6	1
ROOM 9-N	17x9x8Ft	(2) Type P8	0.8	1

MENS TOILET	8x9x8Ft	(1) Type P2	1.1	1
MENS TOILET-N	8x9x8Ft	(1) Type P8	0.8	1
WOMENS TOILET	7x5x8Ft	(1) Type P2	2.6	1
WOMENS TOILET-N	7x5x8Ft	(1) Type P8	1.9	1
HALLWAY	41x5x8Ft	(5) Type P2	2.0	1
HALLWAY-N	41x5x8Ft	(2) Type P8	0.6	1

NOTES:

13-040 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-040 Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Building 13-040	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 1.3W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
ROOM 1	9x10x9Ft	Ceiling	<+> 37.9	49.6	27.9
ROOM 1-N	9x10x9Ft	Ceiling	<+> 33.8	44.2	24.9
ROOM 2	9x14x9Ft	Ceiling	<+> 30.3	38.9	22.7
ROOM 2-N	9x14x9Ft	Ceiling	<+> 27.0	34.7	20.3
ROOM 3	21x15x8Ft	Ceiling	<+> 38.3	56.2	8.8
ROOM 3-N	21x15x8Ft	Ceiling	<+> 35.3	51.8	8.1
ROOM 4	10x9x8Ft	Ceiling	<+> 46.7	61.6	33.2
ROOM 4-N	10x9x8Ft	Ceiling	<+> 43.0	56.8	30.6
ROOM 5	10x9x8Ft	Ceiling	<+> 46.7	61.6	33.2
ROOM 5-N	10x9x8Ft	Ceiling	<+> 43.0	56.8	30.6
ROOM 6	17x9x8Ft	Ceiling	<+> 47.8	68.1	31.8
ROOM 6-N	17x9x8Ft	Ceiling	<+> 44.1	62.7	29.3
ROOM 7	15x9x8Ft	Ceiling	<+> 31.8	58.4	0.1
ROOM 7-N	15x9x8Ft	Ceiling	<+> 29.4	53.8	0.1
ROOM 8	17x9x8Ft	Ceiling	<+> 49.1	76.7	23.0
ROOM 8-N	17x9x8Ft	Ceiling	<+> 45.3	70.6	21.2
ROOM 9	17x9x8Ft	Ceiling	<+> 51.7	83.8	28.3
ROOM 9-N	17x9x8Ft	Ceiling	<+> 30.6	44.5	18.8

ENS TOILET	8x9x8Ft	Ceiling	<+>	20.7	44.5	0.0
MENS TOILET-N	8x9x8Ft	Ceiling	<+>	19.0	41.0	0.0
WOMENS TOILET	7x5x8Ft	Ceiling	<+>	31.5	47.0	0.1
WOMENS TOILET-N	7x5x8Ft	Ceiling	<+>	29.0	43.3	0.1
HALLWAY	41x5x8Ft	Ceiling	<+>	45.4	54.8	31.7
HALLWAY-N	41x5x8Ft	Ceiling	<+>	18.6	39.7	6.3

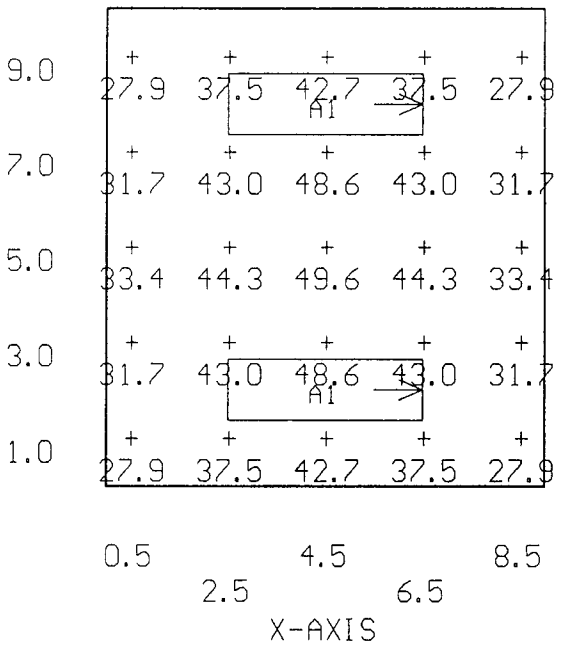
NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:44 26-Jan-95
PROJECT: 13-040 AREA: ROOM 1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=27.9 MAX=49.6 AVE=37.9 AVE/MIN= 1.36 MAX/MIN= 1.78

A1 (2) = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

OFFICE

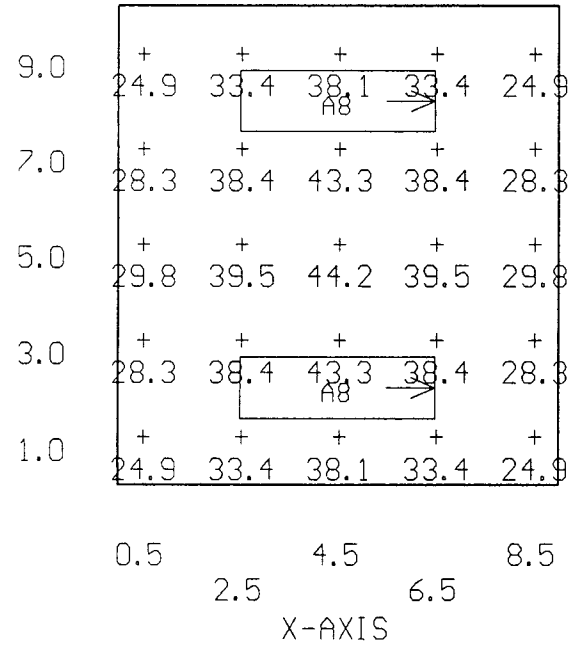


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:19 6-Mar-95
PROJECT: 13-040 AREA: ROOM 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.9 MAX=44.2 AVE=33.8 AVE/MIN= 1.36 MAX/MIN= 1.78

A8 (2) = K9604 COLUMBIA WCW240-A, (2) FO32/35K, LLF= 0.66

Y-AXIS

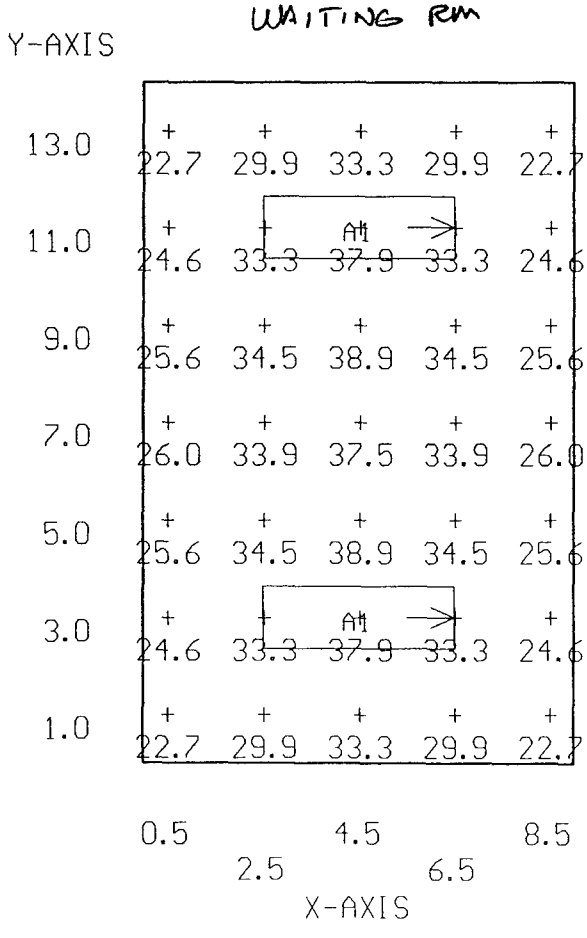


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:48 26-Jan-95
PROJECT: 13-040 AREA: ROOM 2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.7 MAX=38.9 AVE=30.3 AVE/MIN= 1.33 MAX/MIN= 1.71

A1 <2> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

WAITING RM

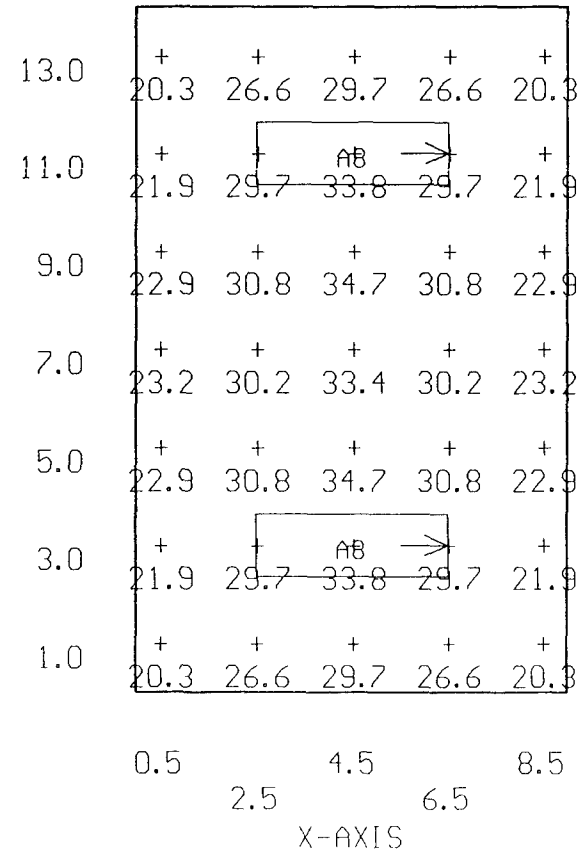


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:21 6-Mar-95
PROJECT: 13-040 AREA: ROOM 2-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.3 MAX=34.7 AVE=27.0 AVE/MIN= 1.33 MAX/MIN= 1.71

A8 (2) = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:28 26-Jan-95
PROJECT: 13-040 AREA: ROOM 3 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.81 MAX=56.2 AVE=38.3 AVE/MIN= 4.35 MAX/MIN= 6.38

P2 <4> = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71

MAIN OFFICE

Y-AXIS

13.5	9.11	14.7	25.6	38.9	44.8	41.8	40.2	44.7	44.5	35.1
				P2 →				P2 →		
11.5	10.2	17.2	30.0	45.8	53.6	49.7	47.8	53.1	53.0	40.7
9.5	12.1	19.8	33.0	47.7	55.1	53.9	53.4	56.2	54.1	43.0
7.5	12.4	20.4	33.2	47.3	55.0	54.3	53.7	56.2	53.9	42.8
5.5	11.2	18.5	31.5	47.3	55.0	52.2	50.7	55.2	54.1	42.1
				P2 →				P2 →		
3.5	9.51	15.7	27.3	42.0	49.0	45.1	43.3	48.4	48.6	37.1
1.5	8.81	13.8	23.3	33.9	38.7	37.4	36.7	39.3	38.4	30.9

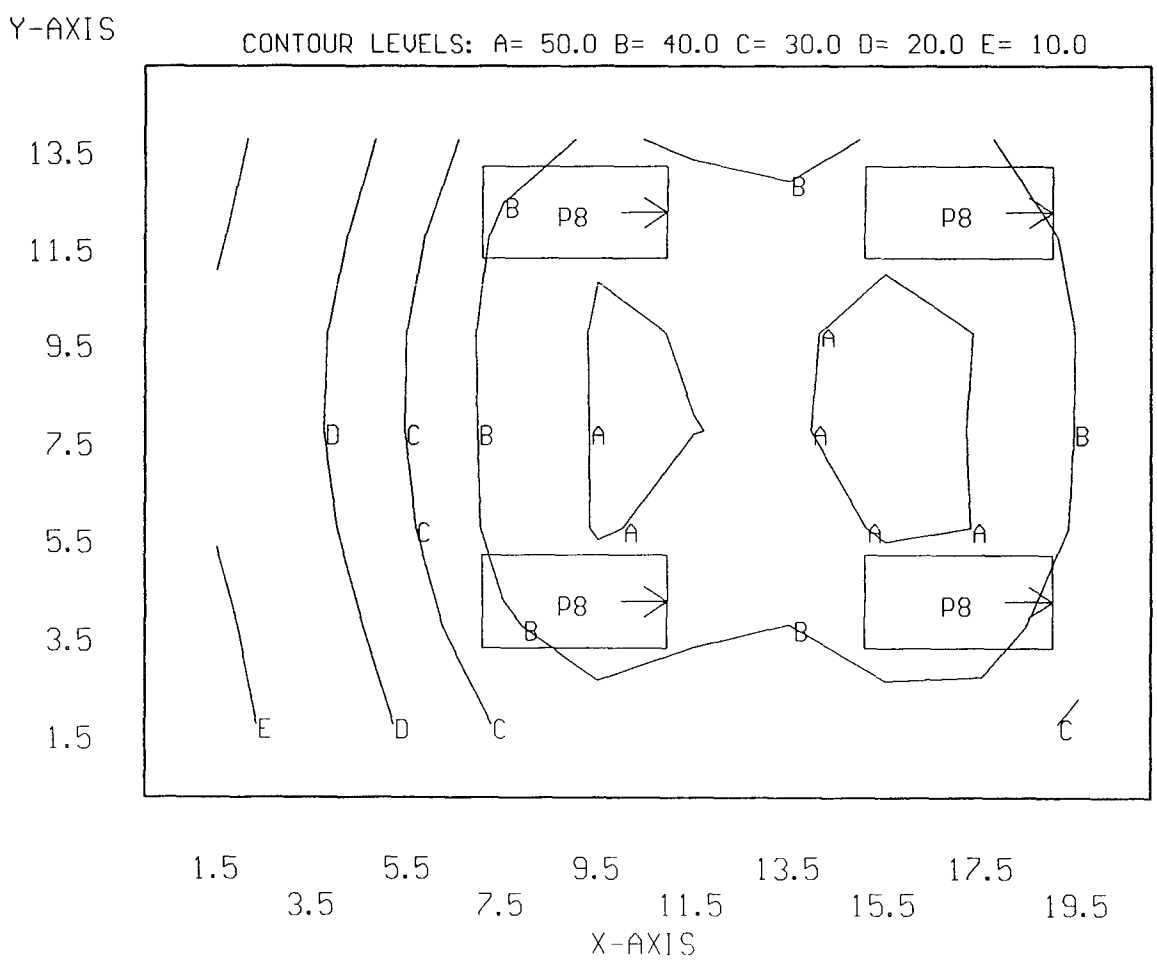
1.5 3.5 5.5 7.5 9.5 11.5 13.5 15.5 17.5 19.5

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:24 6-Mar-95
PROJECT: 13-040 AREA: ROOM 3-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.12 MAX=51.8 AVE=35.3 AVE/MIN= 4.35 MAX/MIN= 6.38

P8 (4) = ER3865 COLUMBIA P2-242*-42263, (2) F032/35K, LLF= 0.69

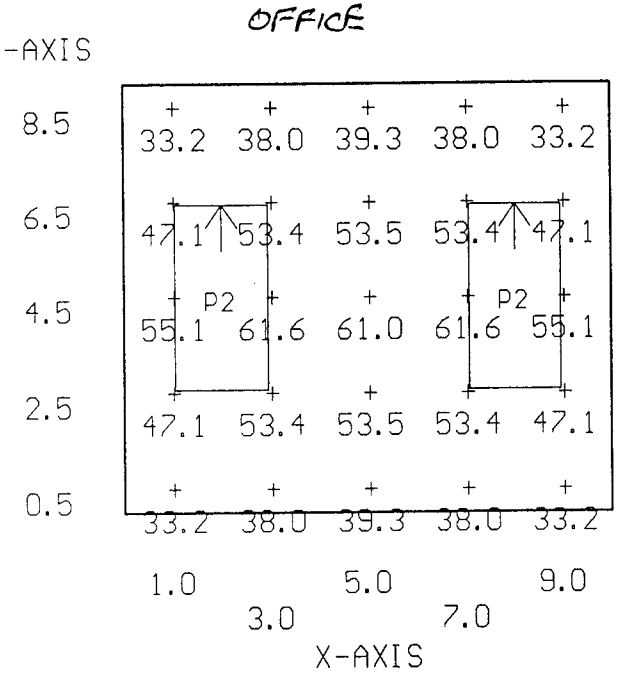


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:26 26-Jan-95
PROJECT: 13-040 AREA: ROOM 4 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=33.2 MAX=61.6 AVE=46.7 AVE/MIN= 1.41 MAX/MIN= 1.86

P2 (2) = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71

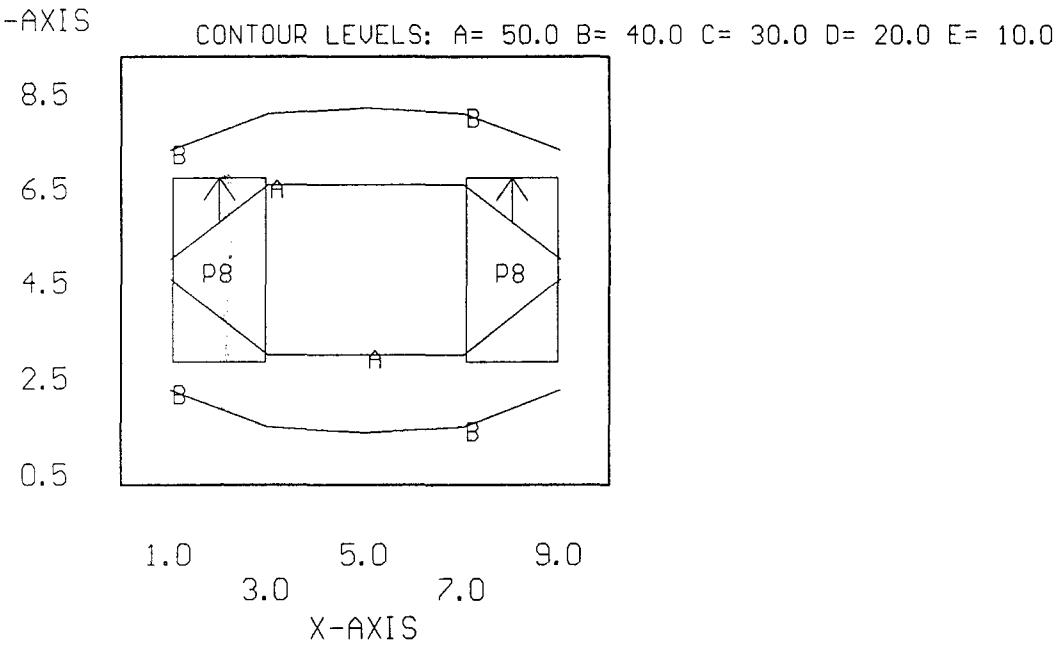
OFFICE



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:29 6-Mar-95
PROJECT: 13-040 AREA: ROOM 4-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=30.6 MAX=56.8 AVE=43.0 AVE/MIN= 1.41 MAX/MIN= 1.86

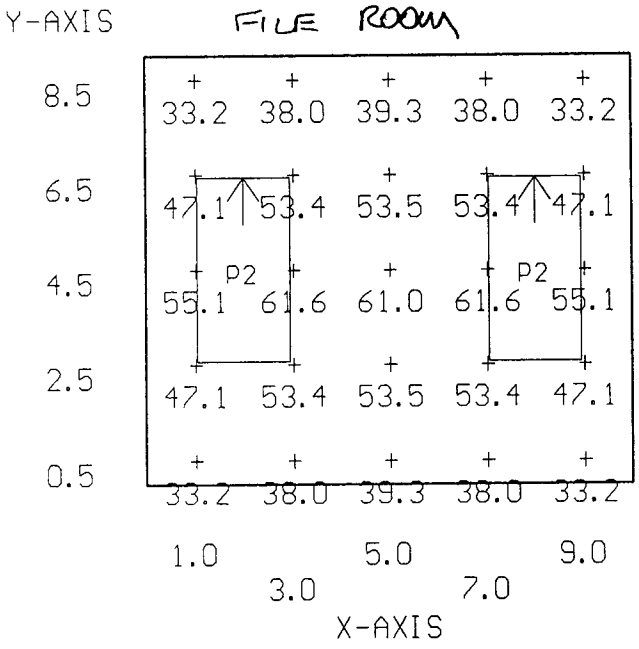
P8 (2) = ER3865 COLUMBIA P2-242*-42263, (2) FO32/35K, LLF= 0.69



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:34 26-Jan-95
PROJECT: 13-040 AREA: ROOM 5 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=33.2 MAX=61.6 AVE=46.7 AVE/MIN= 1.41 MAX/MIN= 1.86

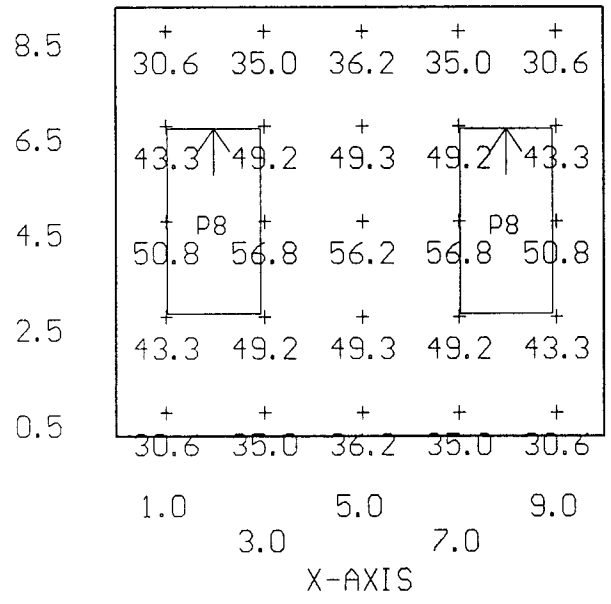
P2 <2> = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:32 6-Mar-95
PROJECT: 13-040 AREA: ROOM 5-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=30.6 MAX=56.8 AVE=43.0 AVE/MIN= 1.41 MAX/MIN= 1.86

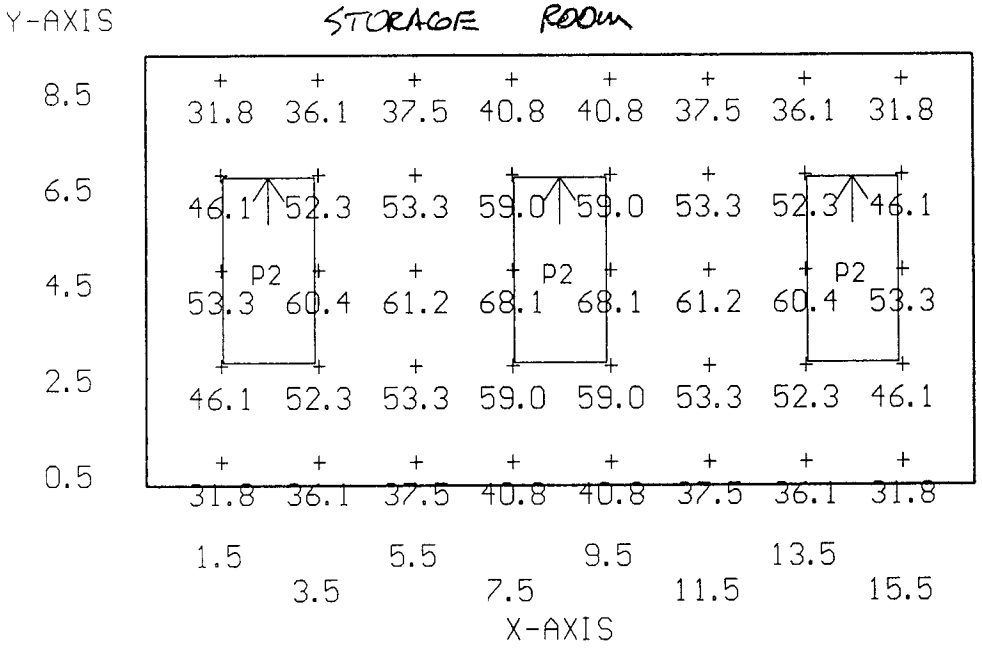
P8 (2) = ER3865 COLUMBIA P2-242*-42263, (2) F032/35K, LLF= 0.69



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:38 26-Jan-95
PROJECT: 13-040 AREA: ROOM 6 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=31.8 MAX=68.1 AVE=47.8 AVE/MIN= 1.50 MAX/MIN= 2.14

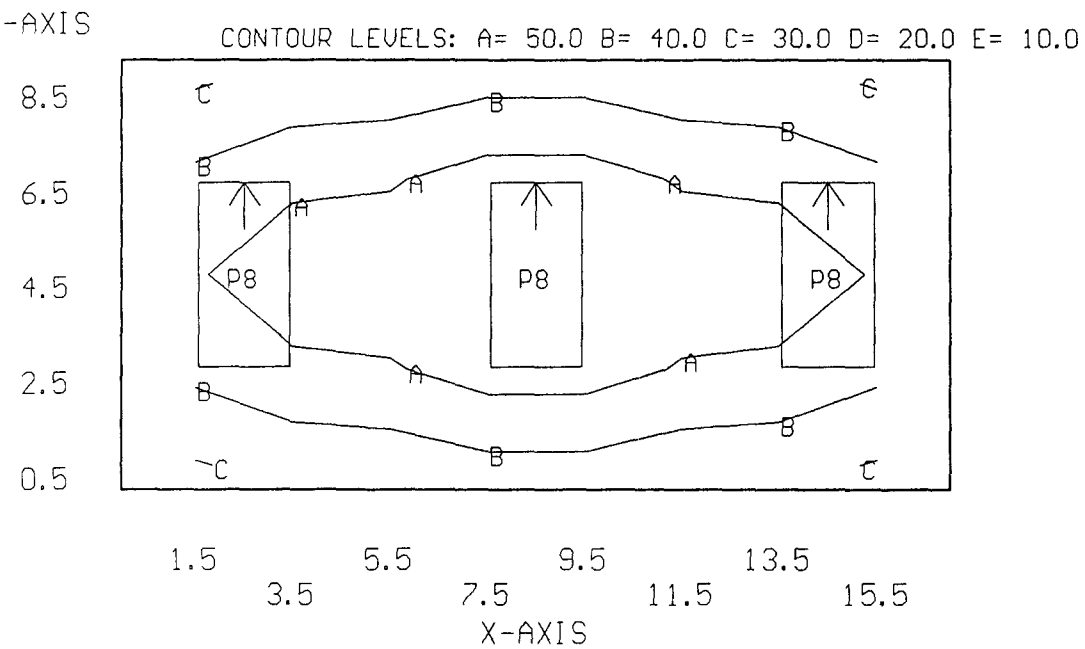
P2 (3) = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:35 6-Mar-95
PROJECT: 13-040 AREA: ROOM 6-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=29.3 MAX=62.7 AVE=44.1 AVE/MIN= 1.50 MAX/MIN= 2.14

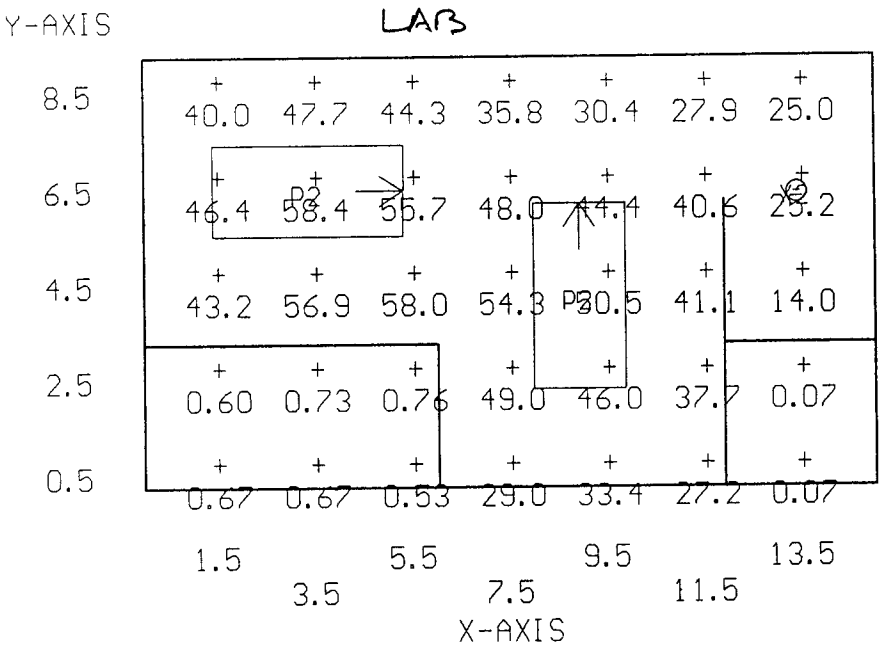
P8 (3) = ER3865 COLUMBIA P2-242*-42263, (2) F032/35K, LLF= 0.69



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:52 26-Jan-95
PROJECT: 13-040 AREA: ROOM 7 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.07 MAX=58.4 AVE=31.8 AVE/MIN= 441.97 MAX/MIN= 810.56

P2 <2> = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71
X2 <1> = B1999A PRESCOLITE 1222-262, (1) 75A19/SW, LLF= 0.82

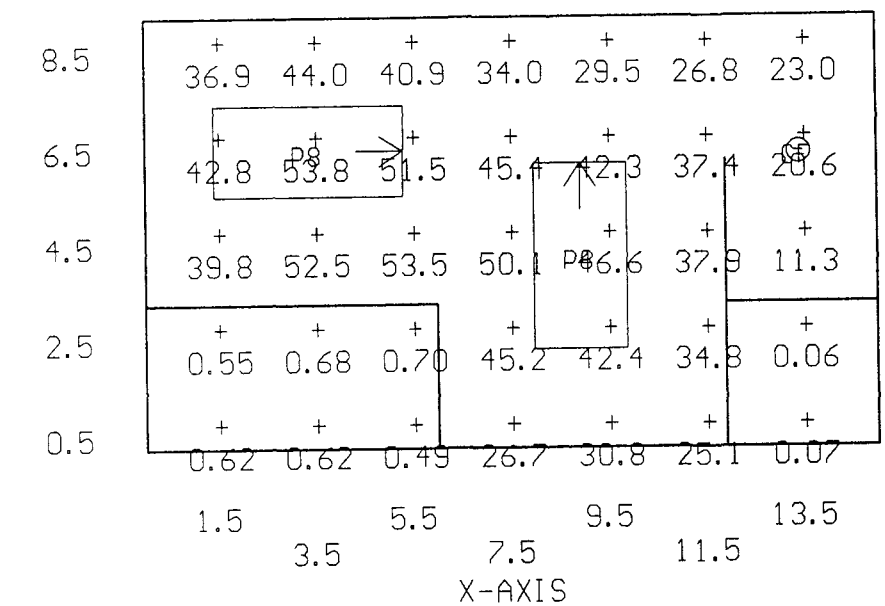


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:39 6-Mar-95
PROJECT: 13-040 AREA: ROOM 7-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.06 MAX=53.8 AVE=29.4 AVE/MIN= 440.63 MAX/MIN= 806.48

CF (1) = B2374B PRESCOLITE CFR618-372, (2) F18DTT/27K, LLF= 0.50
P8 (2) = ER3865 COLUMBIA P2-242*-42263, (2) FO32/35K, LLF= 0.69

Y-AXIS

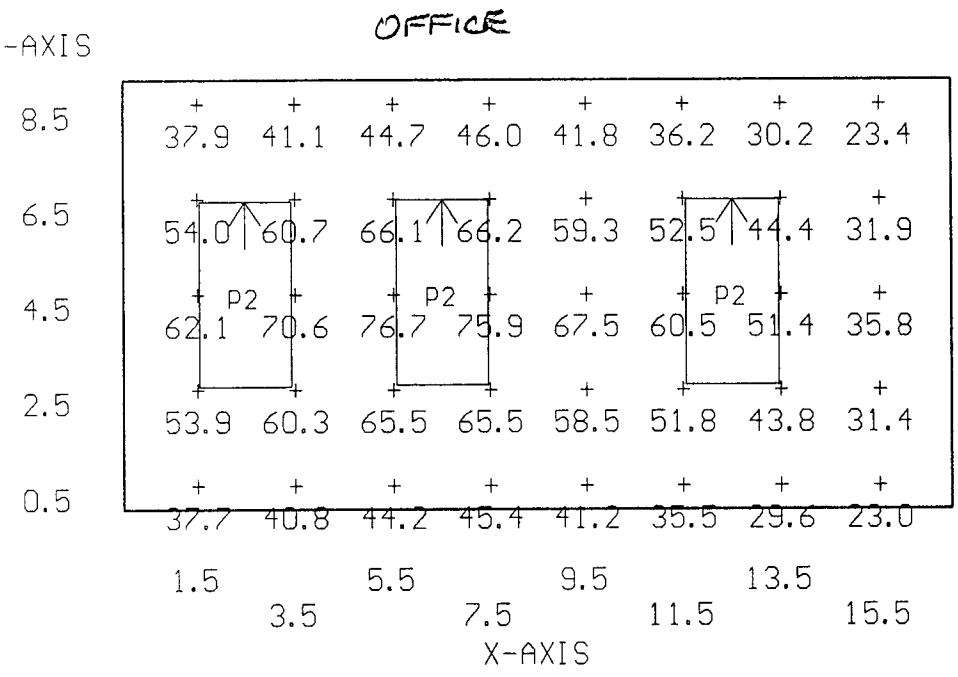


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:03 26-Jan-95
PROJECT: 13-040 AREA: ROOM 8 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.0 MAX=76.7 AVE=49.1 AVE/MIN= 2.13 MAX/MIN= 3.33

P2 (3) = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71

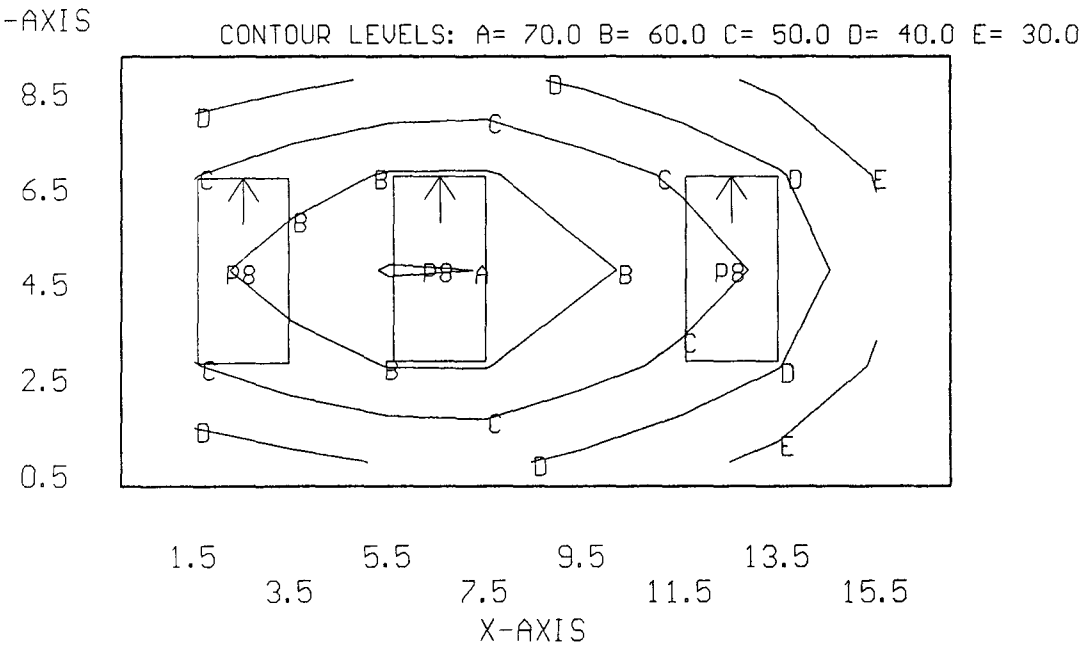
OFFICE



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:41 6-Mar-95
PROJECT: 13-040 AREA: ROOM 8-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.2 MAX=70.6 AVE=45.3 AVE/MIN= 2.13 MAX/MIN= 3.33

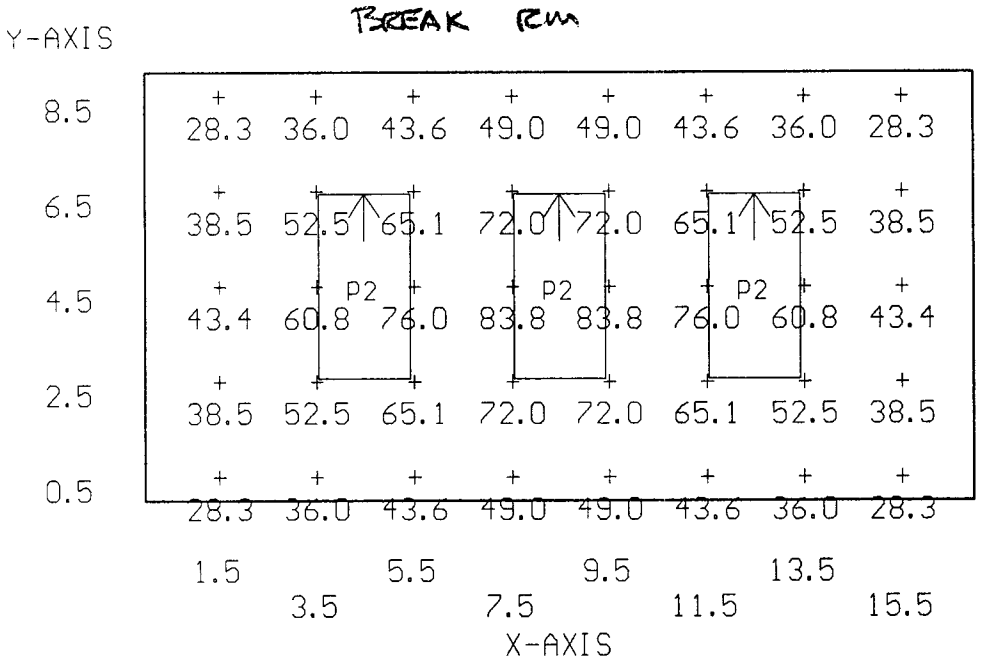
P8 (3) = ER3865 COLUMBIA P2-242*-42263, (2) FO32/35K, LLF= 0.69



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:00 26-Jan-95
PROJECT: 13-040 AREA: ROOM 9 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=28.3 MAX=83.8 AVE=51.7 AVE/MIN= 1.83 MAX/MIN= 2.96

P2 (3) = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71

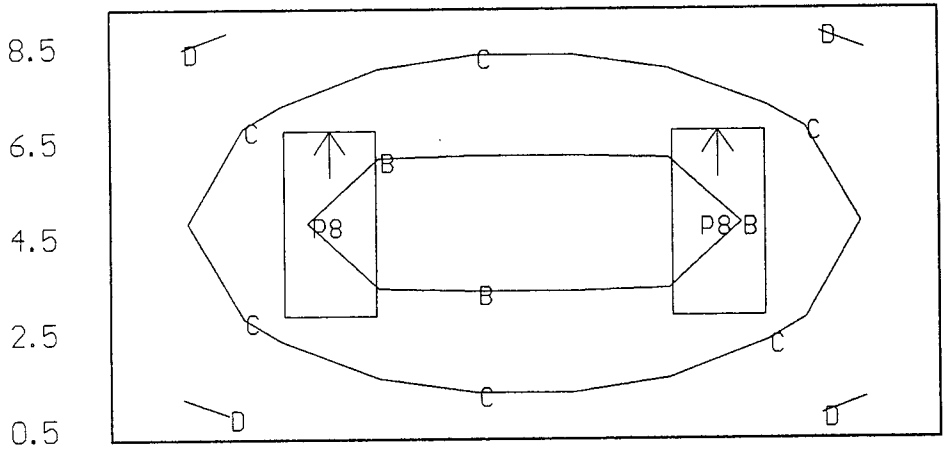


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:45 6-Mar-95
PROJECT: 13-040 AREA: ROOM 9-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

\+ MIN=18.8 MAX=44.5 AVE=30.6 AVE/MIN= 1.63 MAX/MIN= 2.37

P8 <2> = ER3865 COLUMBIA P2-242*-42263, (2) FO32/35K, LLF= 0.69

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

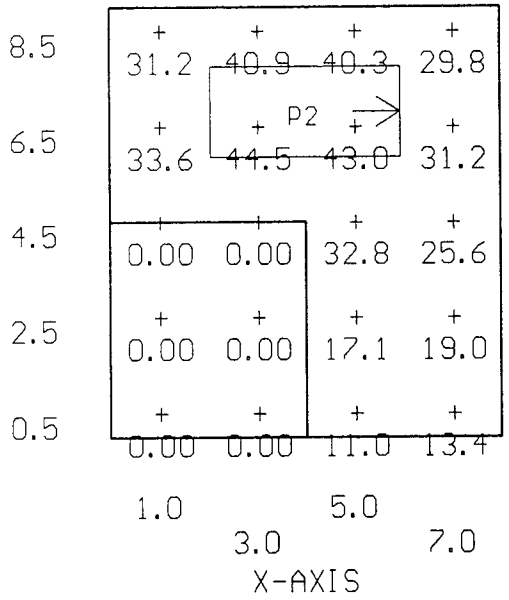


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:10 26-Jan-95
PROJECT: 13-040 AREA: MENS TOILET GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=44.5 AVE=20.7 AVE/MIN=N/A MAX/MIN=N/A

P2 <1> = ER3865 COLUMBIA P2-242*-42263, <2> F40CW, LLF= 0.71

Y-AXIS

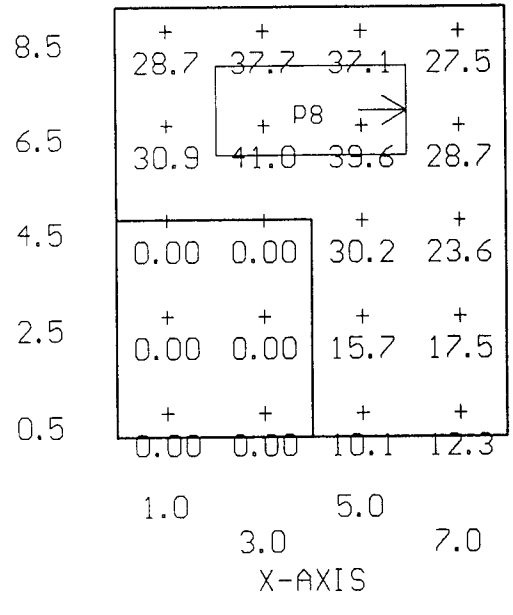


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:47 6-Mar-95
PROJECT: 13-040 AREA: MENS TOILET-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=41.0 AVE=19.0 AVE/MIN=N/A MAX/MIN=N/A

P8 <1> = ER3865 COLUMBIA P2-242*-42263, (2) F032/35K, LLF= 0.69

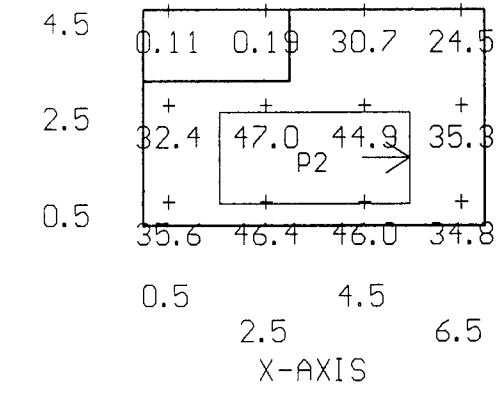
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:16 26-Jan-95
PROJECT: 13-040 AREA: WOMENS TOILET GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.11 MAX=47.0 AVE=31.5 AVE/MIN= 266.44 MAX/MIN= 397.40

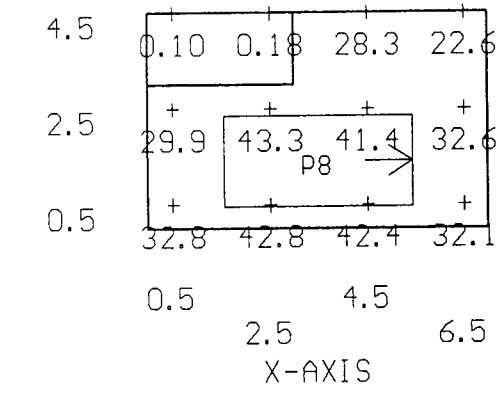
P2 <1> = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:49 6-Mar-95
PROJECT: 13-040 AREA: WOMENS TOILET-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.10 MAX=43.3 AVE=29.0 AVE/MIN= 266.44 MAX/MIN= 397.40

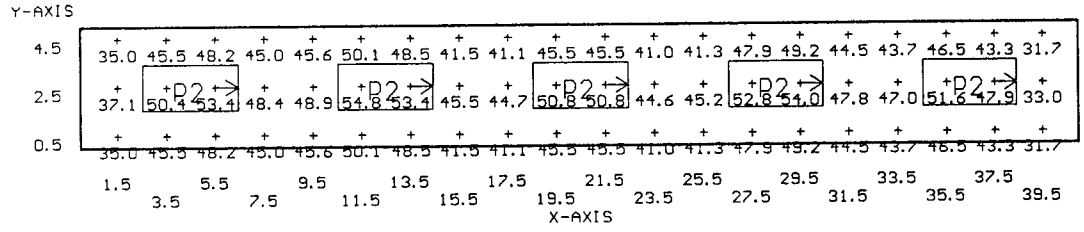
P8 (1) = ER3865 COLUMBIA P2-242*-42263, (2) FO32/35K, LLF= 0.69



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:20 26-Jan-95
PROJECT: 13-040 AREA: HALLWAY GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=31.7 MAX=54.8 AVE=45.4 AVE/MIN= 1.43 MAX/MIN= 1.73

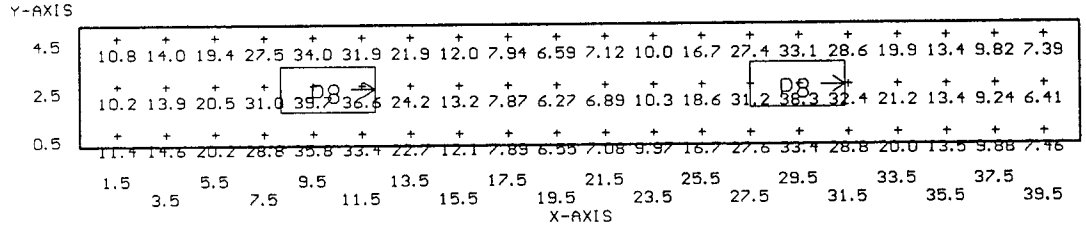
P2 <5> = ER3865 COLUMBIA P2-242*-42263, (2) F40CW, LLF= 0.71



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:53 6-Mar-95
PROJECT: 13-040 AREA: HALLWAY-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.27 MAX=39.7 AVE=18.6 AVE/MIN= 2.97 MAX/MIN= 6.34

P8 (2) = ER3865 COLUMBIA P2-242*-42263, (2) F032/35K, LLF= 0.69



Bldg 13-060 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
F	166	20	3,320
ZZ	72	3	216
Totals		23	3,536

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
F2	60	12	720
FR	61	5	305
ZZ	72	3	216
Totals		20	1,241

13-060 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-060 Type: Indoor

Luminaire Fixture Schedule (PRESENT)

Project name: PBA Lighting Survey - Bldg 13-060	Project #6941331
Prepared for: Corps of Engineers	Date: 31-Jan-95
Prepared by: C. Warren	UPD: 2.6W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
F	2X4 4L FLUSH STATIC TROFFER LENS- .125" POLARIZED PATT.12 COLUMBIA 4PS2*-87-244	F40CW ESB	000 - 166	20	
ZZ	2' DIA. RECESSED ROUND LENS- OPAL ACRYLIC COLUMBIA FRPX-2R-240-U-M46	~~FB40/WW/6/SS~~ ESB FC12T9 (32w) FC16T9 (40w)	000 - 72	3	CIRCLINE

NOTES:

13-060 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-060 Type: Indoor

Luminaire Fixture Schedule / PROPOSED

Project name: PBA Lighting Survey - Bldg 13-060 | Project #6941331
Prepared for: Corps of Engineers | Date: 6-Mar-95
Prepared by: C. Warren | UPD: 0.9W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
F2	2X4 2L FLUSH STATIC TROFFER LENS- .125" THK PRISMATIC A-12 COLUMBIA T84PS2*52.125-242-EO	FO32/35K EOCT	000 - 60	12	
FR	2X4 ACRYLIC LENSED TROFFER SILVER NORMAL BEAM REFLECTOR METALOPTICS 24TRSO42EP11	FO32/35K EOCT	000 - 61	5	
ZZ	~~2~~ 1' DIA. RECESSED ROUND LENS- OPAL ACRYLIC COLUMBIA FRPX-2R-240-U-M46	~~FB40/WW/6/SS~~ ESB FC12T9 (32W) FC16T9 (40W)	000 - 72	3	CIRCLINE

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-060 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 13-060	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 1.9W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
WAITING ROOM	10x25x8Ft	(3) Type ZZ	0.9	1
SUPERVISOR	16x9x8Ft	(2) Type F	2.3	1
SUPERVISOR-N	16x9x8Ft	(2) Type FR	0.8	1
'E EXAM	22x9x8Ft	(3) Type F	2.5	1
EYE EXAM-N	22x9x8Ft	(3) Type FR	0.9	1
TOILET	8x9x8Ft	(1) Type F	2.3	1
TOILET-N	8x9x8Ft	(1) Type F2	0.8	1
STORE ROOM 1	8x9x8Ft	(1) Type F	2.3	1
STORE ROOM 1-N	8x9x8Ft	(1) Type F2	0.8	1
OFFICE 1	14x9x8Ft	(3) Type F	4.0	1
OFFICE 1-N	14x9x8Ft	(3) Type F2	1.4	1
RECEPTION	14x9x8Ft	(3) Type F	4.0	1
RECEPTION-N	14x9x8Ft	(3) Type F2	1.4	1
OFFICE 2	11x9x8Ft	(2) Type F	3.4	1
OFFICE 2-N	11x9x8Ft	(2) Type F2	1.2	1
HALLWAY	44x6x8Ft	(5) Type F	3.1	1
\LLWAY-N	44x6x8Ft	(2) Type F2	0.5	1

13-060 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-060 Type: Indoor

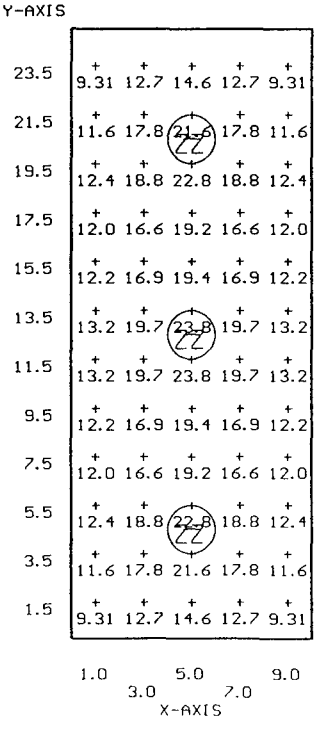
Project Calculation Summary	
Project name: PBA Lighting Survey - Bldg 13-060	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 1.9W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
WAITING ROOM	10x25x8Ft	Ceiling	<+> 15.6	23.8	9.3
SUPERVISOR	16x9x8Ft	Ceiling	<+> 54.0	71.6	36.0
SUPERVISOR-N	16x9x8Ft	Ceiling	<+> 46.5	58.6	32.7
EYE EXAM	22x9x8Ft	Ceiling	<+> 59.6	77.4	45.7
EYE EXAM-N	22x9x8Ft	Ceiling	<+> 51.5	63.7	41.6
TOILET	8x9x8Ft	Ceiling	<+> 46.6	68.5	25.6
TOILET-N	8x9x8Ft	Ceiling	<+> 28.3	40.4	16.1
STORE ROOM 1	8x9x8Ft	Ceiling	<+> 46.3	68.4	24.7
STORE ROOM 1-N	8x9x8Ft	Ceiling	<+> 28.1	40.3	15.5
OFFICE 1	14x9x8Ft	Ceiling	<+> 83.8	111.8	37.6
OFFICE 1-N	14x9x8Ft	Ceiling	<+> 51.0	67.5	23.9
RECEPTION	14x9x8Ft	Ceiling	<+> 83.8	111.8	37.6
RECEPTION-N	14x9x8Ft	Ceiling	<+> 51.0	67.5	23.9
OFFICE 2	11x9x8Ft	Ceiling	<+> 70.9	93.4	35.4
OFFICE 2-N	11x9x8Ft	Ceiling	<+> 43.2	56.5	22.7
HALLWAY	44x6x8Ft	Ceiling	<+> 60.5	118.3	17.7
HALLWAY-N	44x6x8Ft	Ceiling	<+> 15.8	40.0	2.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 12:07 31-Jan-95
PROJECT: 13-060 AREA: WAITING ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=9.31 MAX=23.8 AVE=15.6 AVE/MIN= 1.67 MAX/MIN= 2.55

ZZ (3) = 10468 COLUMBIA FRPX-2R-240-U-M46, (2) FB40/WW/6/SS, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 12:13 31-Jan-95
PROJECT: 13-060 AREA: SUPERVISOR GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=36.0 MAX=71.6 AVE=54.0 AVE/MIN= 1.50 MAX/MIN= 1.99

F <2> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

7.5	36.0	48.0	50.7	46.4	46.4	50.7	48.0	36.0
5.5	48.2	68.0 F	71.6	63.2	63.2	71.6 F	68.0	48.2
3.5	48.2	68.0	71.6	63.2	63.2	71.6	68.0	48.2
1.5	36.0	48.0	50.7	46.4	46.4	50.7	48.0	36.0

1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:13 6-Mar-95
PROJECT: 13-060 AREA: SUPERVISOR-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=32.7 MAX=58.6 AVE=46.5 AVE/MIN= 1.42 MAX/MIN= 1.79

FR <2> = T10618 METALOPTICS 24TRS042EP11, (2) F032/35K, LLF= 0.81

Y-AXIS

7.5	32.7	43.9	46.4	42.1	42.1	46.4	43.9	32.7
5.5	40.0	55.4	58.6 FR →	52.5	52.5	58.6 FR →	55.4	40.0
3.5	40.0	55.4	58.6	52.5	52.5	58.6	55.4	40.0
1.5	32.7	43.9	46.4	42.1	42.1	46.4	43.9	32.7

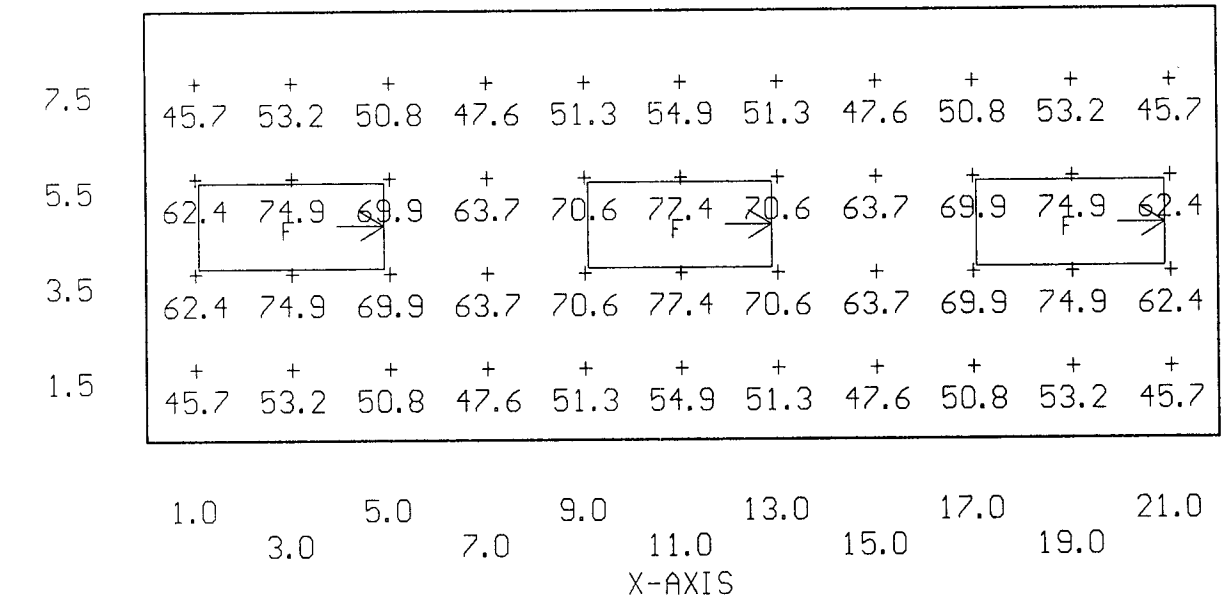
1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 12:16 31-Jan-95
PROJECT: 13-060 AREA: EYE EXAM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=45.7 MAX=77.4 AVE=59.6 AVE/MIN= 1.31 MAX/MIN= 1.69

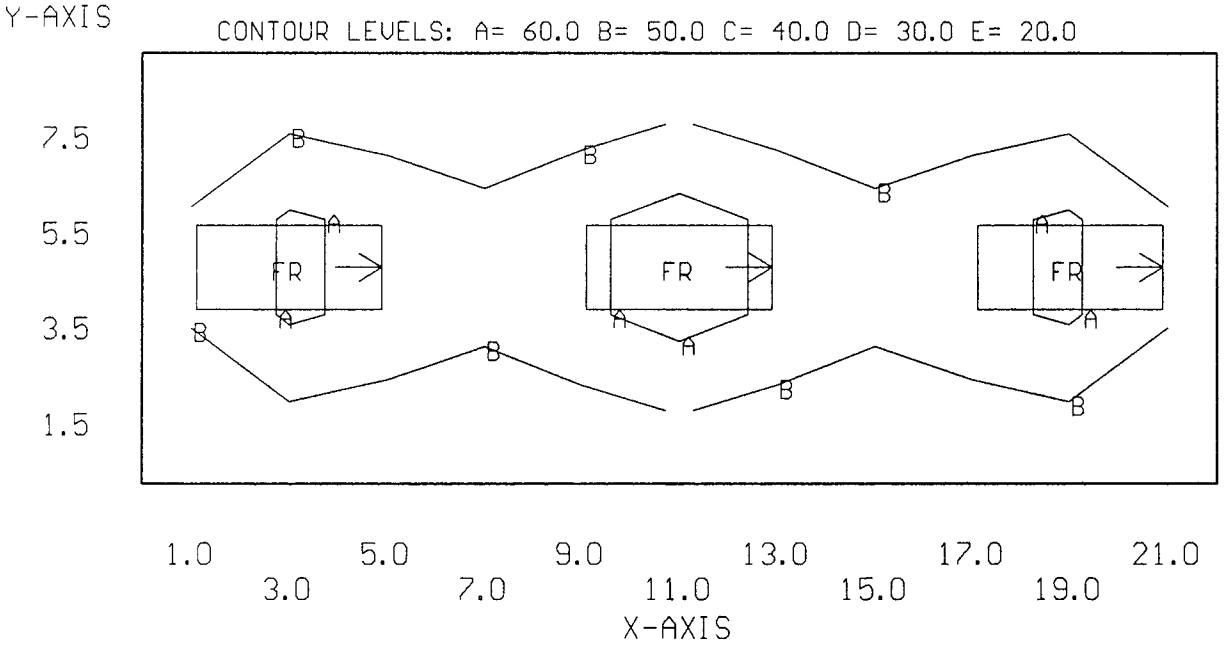
F (3) = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:16 6-Mar-95
PROJECT: 13-060 AREA: EYE EXAM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=41.6 MAX=63.7 AVE=51.5 AVE/MIN= 1.24 MAX/MIN= 1.53

FR (3) = T10618 METALOPTICS 24TRS042EP11, (2) F032/35K, LLF= 0.81

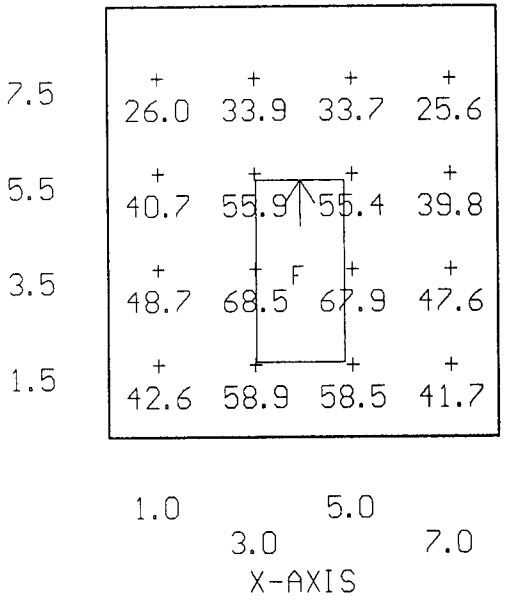


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:18 31-Jan-95
PROJECT: 13-060 AREA: TOILET GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=25.6 MAX=68.5 AVE=46.6 AVE/MIN= 1.82 MAX/MIN= 2.68

F <1> = 9753 COLUMBIA 4PS2*-87-244, <4> F40CW, LLF= 0.68

Y-AXIS

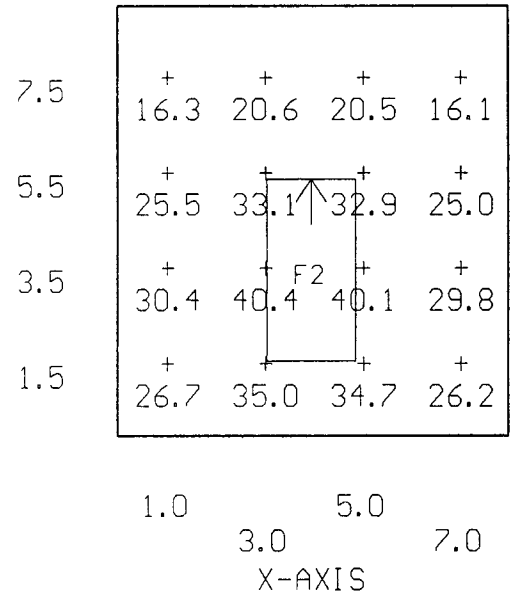


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:18 6-Mar-95
PROJECT: 13-060 AREA: TOILET-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.1 MAX=40.4 AVE=28.3 AVE/MIN= 1.76 MAX/MIN= 2.51

F2 <1> = L10067 COLUMBIA T84PS2*52.125-242-EO, (2) FO32/35K, LLF= 0.66

Y-AXIS

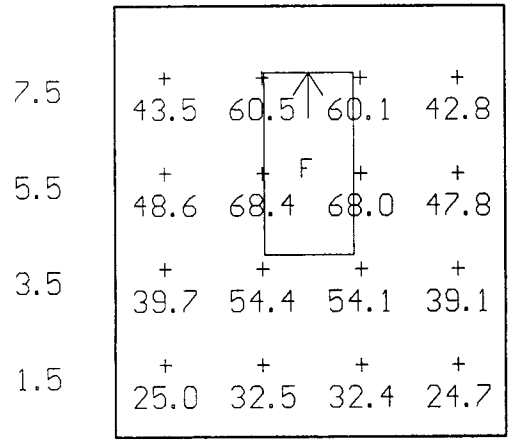


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:26 31-Jan-95
PROJECT: 13-060 AREA: STORE ROOM 1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.7 MAX=68.4 AVE=46.3 AVE/MIN= 1.88 MAX/MIN= 2.77

F <1> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS



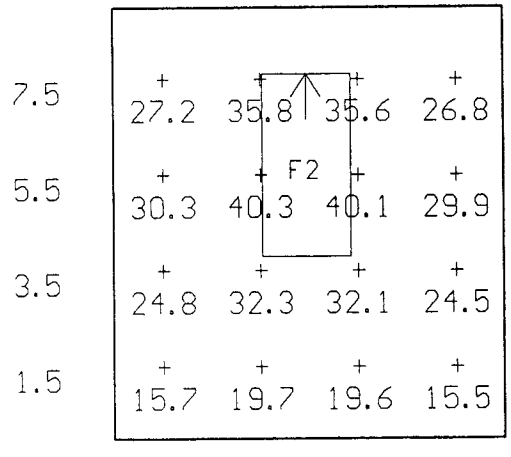
1.0 5.0
3.0 7.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:20 6-Mar-95
PROJECT: 13-060 AREA: STORE ROOM 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U)', HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.5 MAX=40.3 AVE=28.1 AVE/MIN= 1.82 MAX/MIN= 2.60

F2 (1) = L10067 COLUMBIA T84PS2*52.125-242-EO, (2) FO32/35K, LLF= 0.66

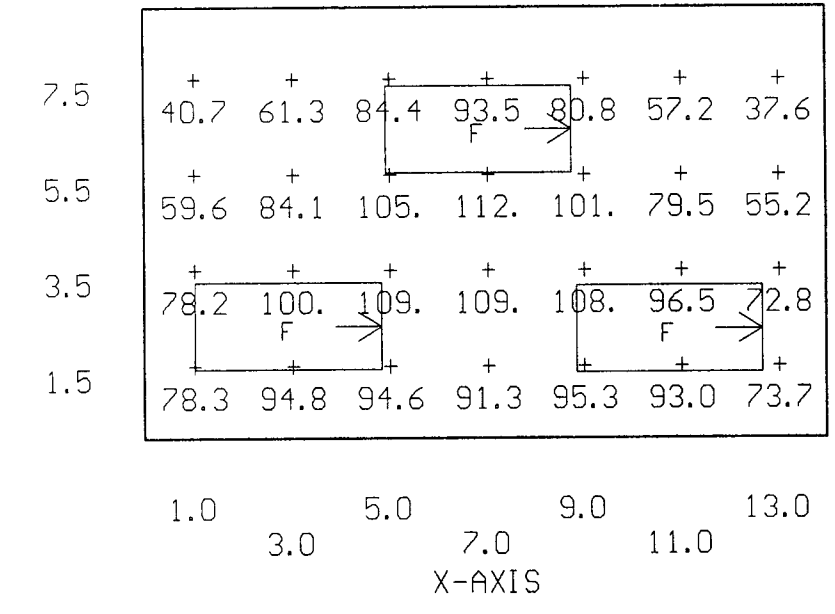
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:31 31-Jan-95
PROJECT: 13-060 AREA: OFFICE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=37.6 MAX=112. AVE=83.8 AVE/MIN= 2.23 MAX/MIN= 2.97

F (3) = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68



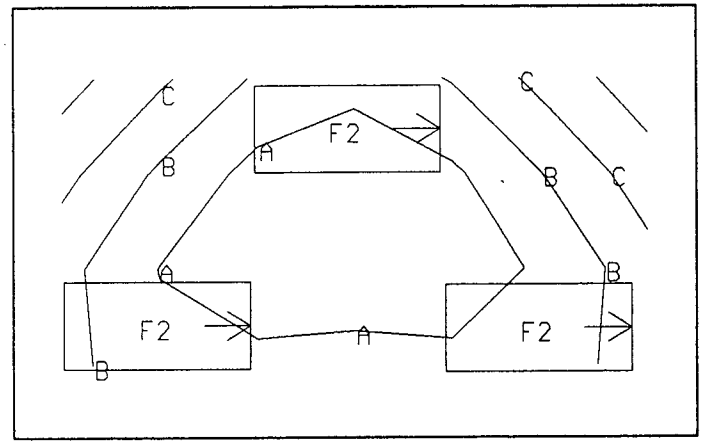
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:22 6-Mar-95
PROJECT: 13-060 AREA: OFFICE 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.9 MAX=67.5 AVE=51.0 AVE/MIN= 2.13 MAX/MIN= 2.82

F2 (3) = L10067 COLUMBIA T84PS2*52.125-242-EO, (2) FO32/35K, LLF= 0.66

Y-AXIS

CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0



7.5
5.5
3.5
1.5

1.0 3.0 5.0 7.0 9.0 11.0 13.0

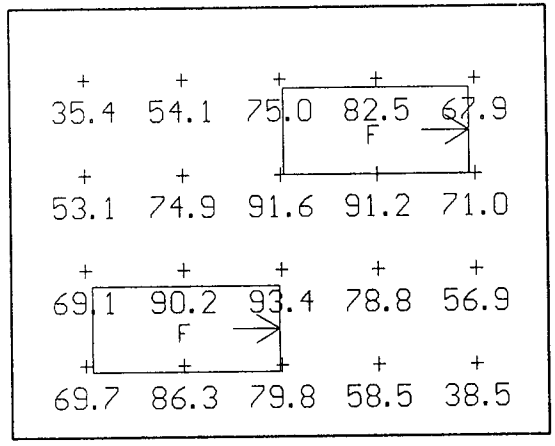
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:37 31-Jan-95
PROJECT: 13-060 AREA: OFFICE 2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=35.4 MAX=93.4 AVE=70.9 AVE/MIN= 2.00 MAX/MIN= 2.64

F (2) = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS



1.5 3.5 5.5 7.5 9.5

X-AXIS

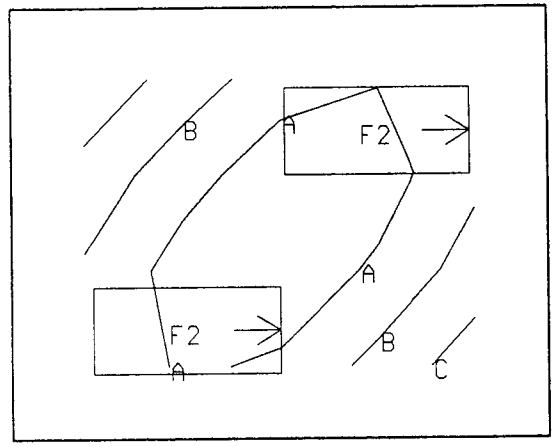
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:24 6-Mar-95
PROJECT: 13-060 AREA: OFFICE 2-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.7 MAX=56.5 AVE=43.2 AVE/MIN= 1.91 MAX/MIN= 2.50

F2 (2) = L10067 COLUMBIA T84PS2*52.125-242-EO, (2) FO32/35K, LLF= 0.66

Y-AXIS

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0



7.5
5.5
3.5
1.5

1.5 3.5 5.5 7.5 9.5

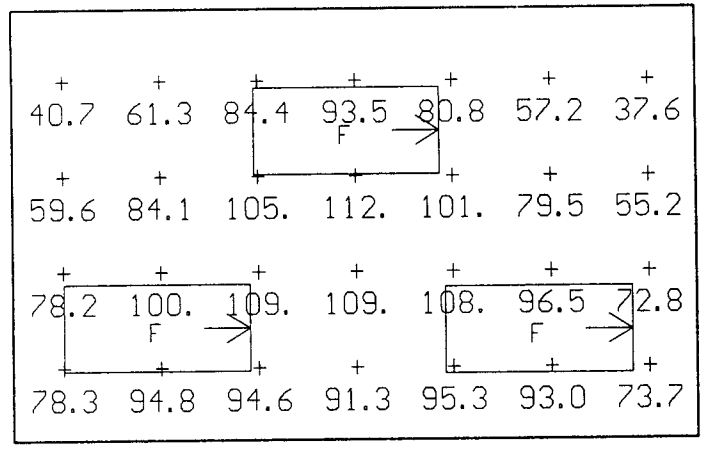
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:41 31-Jan-95
PROJECT: 13-060 AREA: RECEPTION GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=37.6 MAX=112. AVE=83.8 AVE/MIN= 2.23 MAX/MIN= 2.97

F (3) = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS



1.0 3.0 5.0 7.0 9.0 11.0 13.0

X-AXIS

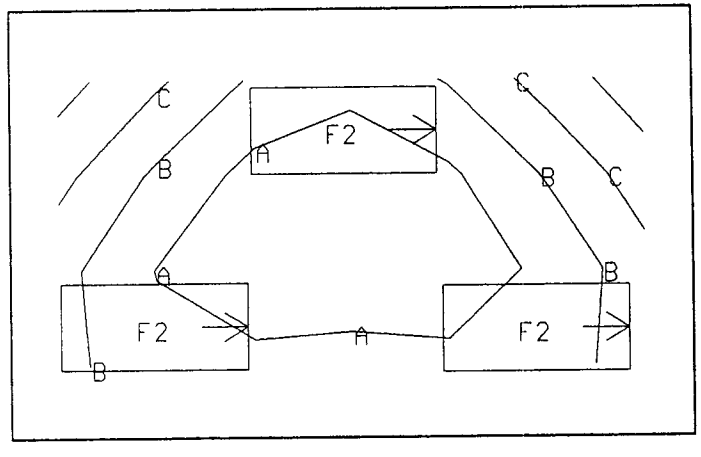
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:27 6-Mar-95
PROJECT: 13-060 AREA: RECEPTION-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.9 MAX=67.5 AVE=51.0 AVE/MIN= 2.13 MAX/MIN= 2.82

F2 (3) = L10067 COLUMBIA T84PS2*52.125-242-EO, (2) F032/35K, LLF= 0.66

Y-AXIS

CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0



7.5
5.5
3.5
1.5

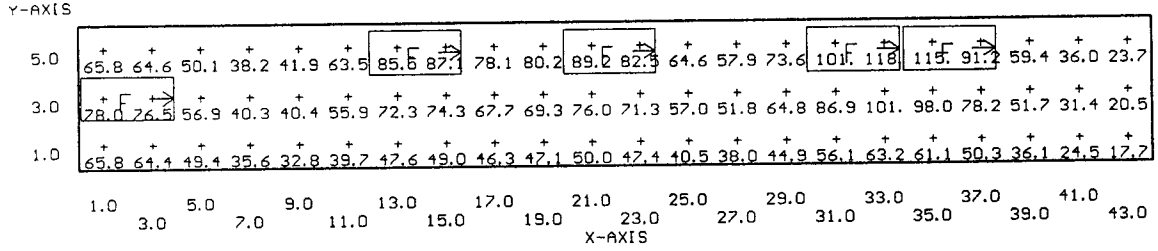
1.0 3.0 5.0 7.0 9.0 11.0 13.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:57 31-Jan-95
PROJECT: 13-060 AREA: HALLWAY GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.7 MAX=118. AVE=60.5 AVE/MIN= 3.42 MAX/MIN= 6.69

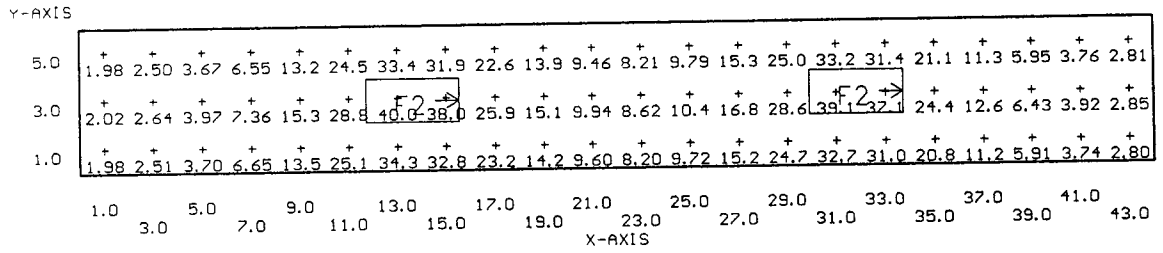
F <5> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:31 6-Mar-95
PROJECT: 13-060 AREA: HALLWAY-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.98 MAX=40.0 AVE=15.8 AVE/MIN= 8.00 MAX/MIN= 20.22

F2 <2> = L10067 COLUMBIA T84PS2*52.125-242-EO, (2) FO32/35K, LLF= 0.66



Bldg 13-080 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
B1	171	2	342
M3	192	12	2,304
XX	100	3	300
XY	75	7	525
Totals		24	3,471

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
B4	110	2	220
BR	59	10	590
BT	59	4	236
CF	48	7	336
XX	1	1	1
Totals		24	1,383

13-080 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-080 Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA LIghting Survey - Bldg 13-080 | Project #6941331
Prepared for: Corps of Engineers | Date: 30-Jan-95
Prepared by: C. Warren | UPD: 3.1W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
B1	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	F40CW ESB	000 - 171	2	
M3	9"X4' 4L SURFACE TURRET STRIP ~~OPEN BOTTOM- NO SHIELDING~~ COLUMBIA K440-T EGGCRATE LOUVERS	F40CW STD	000 - 192	12	
XX	6"DIA.RECESS SINGLE WALL WASH OPEN-CLR.ALZAK (UPPER SOCKET) PRESCOLITE 1234-117	100A19/SW NA	000 - 100	3	
XY	6"DIA.RECESS SINGLE WALL WASH OPEN-CLR.ALZAK (UPPER SOCKET) PRESCOLITE 1234-117	75A19/IF NA	000 - 75	7	

NOTES:

13-080 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-080 Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA LIghting Survey - Bldg 13-080 | Project #6941331
Prepared for: Corps of Engineers | Date: 6-Mar-95
Prepared by: C. Warren | UPD: 1.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
B4	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	FO32/35K EOCT	000 - 110	2	
R	4' ACRYLIC LENS WRAPAROUND SILVER NORMAL BEAM REFLECTOR METALOPTICS WRSN4SNACLO42EP11	FO32/35K EOCT	000 - 59	10	10394
BT	4' ACRYLIC LENS WRAPAROUND SILVER TASK BEAM REFLECTOR METALOPTICS WRSN4STACLO42EP11	FO32/35K EOCT	000 - 59	4	9939
CF	6" 2L RECESSED ROUND DOWNLIGHT OPEN - CLEAR ALZAK REFLECTOR PRESCOLITE CFR618-372	F18DTT/27K STD COMPACT FL.	000 - 2048	7	[illegible]
XX	6"DIA.RECESS SINGLE WALL WASH OPEN-CLR.ALZAK (UPPER SOCKET) PRESCOLITE 1234-117	100A19/SW NA	000 - 100	1	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-080 Type: Indoor

Project Area Summary

Project name: PBA LIghting Survey - Bldg 13-080	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 2.2W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
LAB 1	16x25x10Ft	(5) Type M3 (2) Type XX	2.9	1
LAB 1-N	16x25x10Ft	(7) Type BR	1.0	1
LAB 2	12x17x10Ft	(3) Type M3	2.8	1
LAB 2-N	12x17x10Ft	(3) Type BR	0.9	1
STORAGE	8x7x10Ft	(1) Type XX	1.8	1
URINALYSIS	12x7x10Ft	(2) Type M3	4.6	1
URINALYSIS-N	12x7x10Ft	(2) Type BT	1.4	1
VINI-PUNCTURE	12x8x10Ft	(2) Type B1	3.6	1
VINI-PUNCTURE-N	12x8x10Ft	(2) Type B4	2.3	1
OFFICE	12x10x10Ft	(2) Type M3	3.2	1
OFFICE-N	12x10x10Ft	(2) Type BT	1.0	1
TOILETS	12x4x10Ft	(3) Type XY	4.7	2
TOILETS-N	12x4x10Ft	(3) Type CF	3.0	2
HALLWAY	4x17x10Ft	(1) Type XY	1.1	1
HALLWAY-N	4x17x10Ft	(1) Type CF	0.7	1

13-080 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-080 Type: Indoor

Project Calculation Summary

Project name: PBA LIghting Survey - Bldg 13-080	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Mar-95
Prepared by: C. Warren	UPD: 2.2W/Sq.Ft

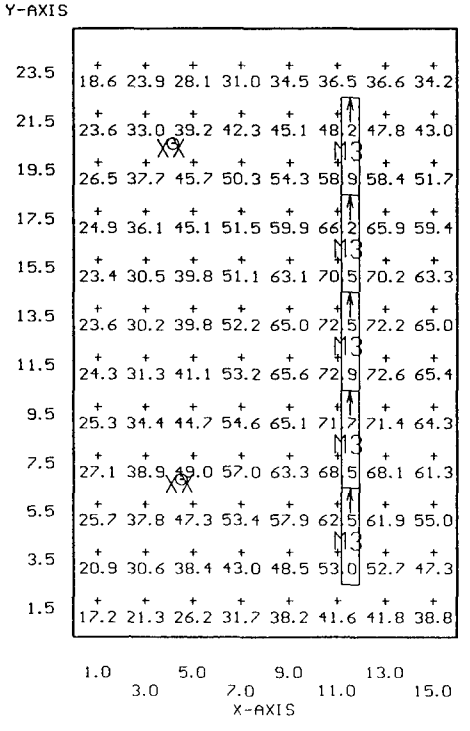
AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
LAB 1	16x25x10Ft	Ceiling	<+> 46.6	72.9	17.2
LAB 1-N	16x25x10Ft	Ceiling	<+> 41.9	57.4	21.7
LAB 2	12x17x10Ft	Ceiling	<+> 44.9	62.2	27.7
LAB 2-N	12x17x10Ft	Ceiling	<+> 32.8	53.5	15.7
STORAGE	8x7x10Ft	Ceiling	<+> 9.6	14.2	5.3
URINALYSIS	12x7x10Ft	Ceiling	<+> 48.8	59.2	39.2
URINALYSIS-N	12x7x10Ft	Ceiling	<+> 42.0	57.3	30.4
VINI-PUNCTURE	12x8x10Ft	Ceiling	<+> 71.3	91.6	52.6
VINI-PUNCTURE-N	12x8x10Ft	Ceiling	<+> 63.6	81.7	46.9
OFFICE	12x10x10Ft	Ceiling	<+> 41.2	53.4	31.0
OFFICE-N	12x10x10Ft	Ceiling	<+> 33.7	53.8	20.6
TOILETS	12x4x10Ft	Ceiling	<+> 18.0	30.8	10.1
TOILETS-N	12x4x10Ft	Ceiling	<+> 19.4	28.1	11.4
HALLWAY	4x17x10Ft	Ceiling	<+> 4.1	10.3	0.3
HALLWAY-N	4x17x10Ft	Ceiling	<+> 4.1	7.9	0.3

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:02 30-Jan-95
PROJECT: 13-080 AREA: LAB 1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.2 MAX=72.9 AVE=46.6 AVE/MIN= 2.71 MAX/MIN= 4.25

M3 (5) = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.58
XX (2) = B1975A PRESCOLITE 1234-117, (1) 100A19/SW, LLF= 0.81

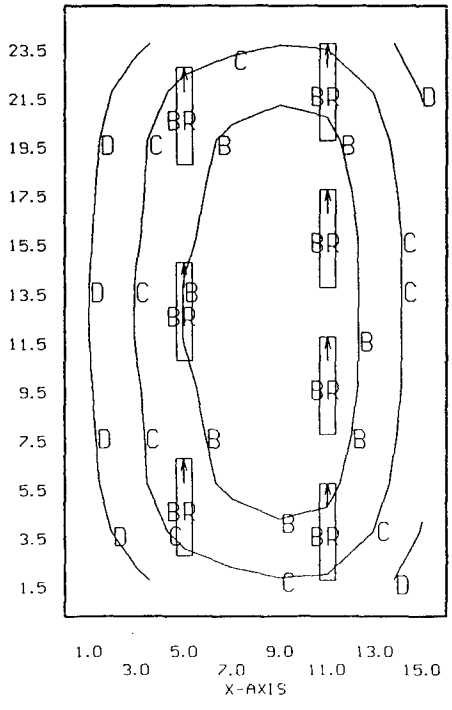


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:13 6-Mar-95
PROJECT: 13-080 AREA: LAB 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.7 MAX=57.4 AVE=41.9 AVE/MIN= 1.93 MAX/MIN= 2.64

BR (7) = T10394 METALOPTICS WRSN4SNACL042EP11, (2) F032/35K, LLF= 0.66

Y-AXIS CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0

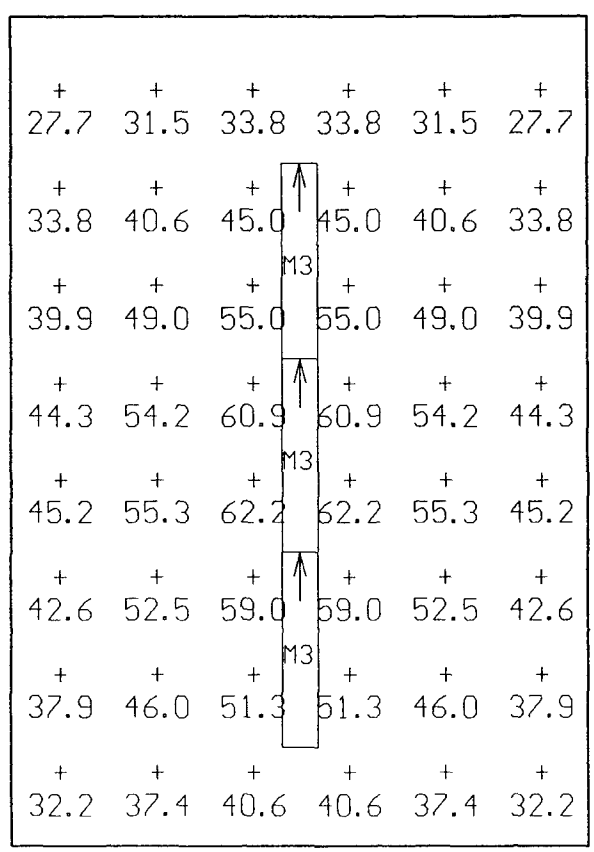


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:05 30-Jan-95
PROJECT: 13-080 AREA: LAB 2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=27.7 MAX=62.2 AVE=44.9 AVE/MIN= 1.62 MAX/MIN= 2.25

M3 <3> = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.58

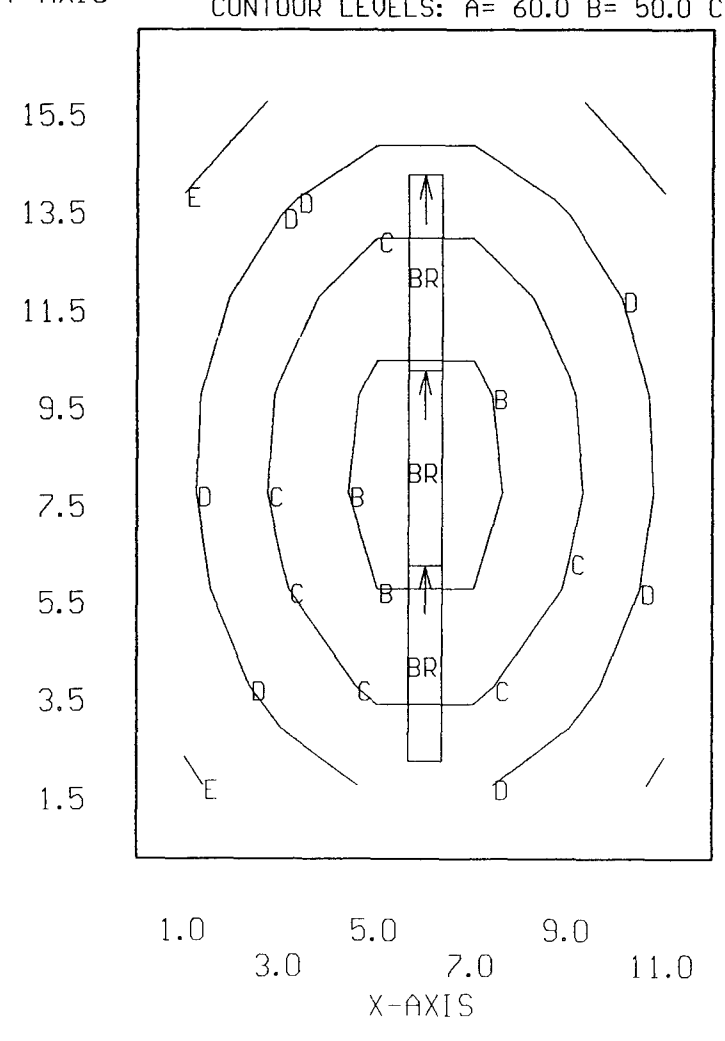
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:21 6-Mar-95
PROJECT: 13-080 AREA: LAB 2-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.7 MAX=53.5 AVE=32.8 AVE/MIN= 2.09 MAX/MIN= 3.40

BR <3> = T10394 METALOPTICS WRSN4SNACL042EP11, (2) F032/35K, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:08 30-Jan-95
PROJECT: 13-080 AREA: STORAGE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.34 MAX=14.2 AVE=9.56 AVE/MIN= 1.79 MAX/MIN= 2.66

XX (1) = B1975A PRESCOLITE 1234-117, (1) 100A19/SW, LLF= 0.81

Y-AXIS

5.5	5.44	9.72	9.68	5.34
3.5	8.55	14.2	14.1	8.38
1.5	7.02	12.7	12.7	6.86

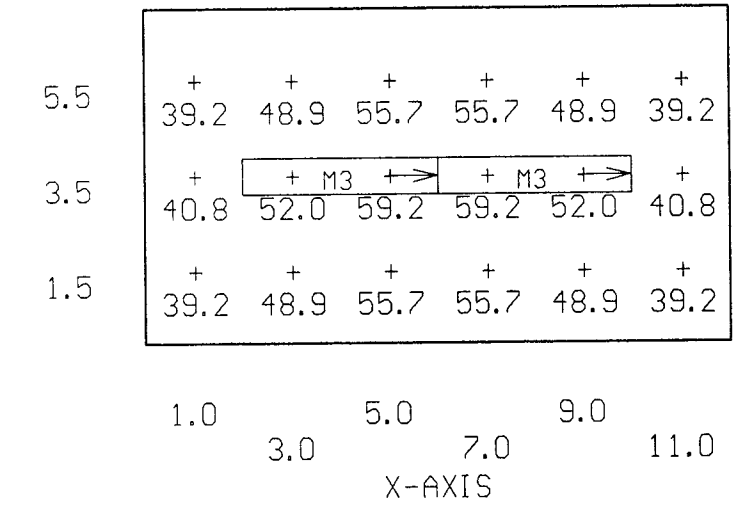
1.0 3.0 5.0 7.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:12 30-Jan-95
PROJECT: 13-080 AREA: URINALYSIS GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=39.2 MAX=59.2 AVE=48.8 AVE/MIN= 1.25 MAX/MIN= 1.51

M3 (2) = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.58

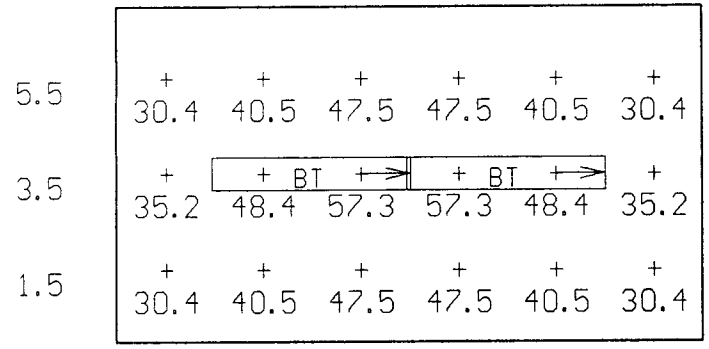


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:27 6-Mar-95
PROJECT: 13-080 AREA: URINALYSIS-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=30.4 MAX=57.3 AVE=42.0 AVE/MIN= 1.38 MAX/MIN= 1.89

BT (2) = T9939 METALOPTICS WRSN4STACL042EP11, (2) F032/35K, LLF= 0.66

Y-AXIS



1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:27 30-Jan-95
PROJECT: 13-080 AREA: VINI-PUNCTURE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=52.6 MAX=91.6 AVE=71.3 AVE/MIN= 1.36 MAX/MIN= 1.74

B1 <2> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68

Y-AXIS

7.0	52.6	66.8	77.3	77.3	66.8	52.6
5.0	60.4	79.2 B1 →	91.6	91.6 B1 →	79.2	60.4
3.0	60.4	79.2	91.6	91.6	79.2	60.4
1.0	52.6	66.8	77.3	77.3	66.8	52.6

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:30 6-Mar-95
PROJECT: 13-080 AREA: VINI-PUNCTURE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=46.9 MAX=81.7 AVE=63.6 AVE/MIN= 1.36 MAX/MIN= 1.74

B4 (2) = K9708 COLUMBIA WCW440-A, (4) F032/35K, LLF= 0.66

Y-AXIS

7.0	46.9	59.6	68.9	68.9	59.6	46.9
5.0	53.9	70.7	81.7	81.7	70.7	53.9
3.0	53.9	70.7	81.7	81.7	70.7	53.9
1.0	46.9	59.6	68.9	68.9	59.6	46.9

B4 B4

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:29 30-Jan-95
PROJECT: 13-080 AREA: OFFICE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=31.0 MAX=53.4 AVE=41.2 AVE/MIN= 1.33 MAX/MIN= 1.72

M3 <2> = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.58

Y-AXIS

9.0	+ 31.0	+ 37.5	+ 42.3	+ 42.3	+ 37.5	+ 31.0
7.0	+ 35.2	+ 44.2	+ 50.2	+ 50.2	+ 44.2	+ 35.2
5.0	+ 36.8	+ M3 → 46.9	53.4	+ M3 → 53.4	46.9	+ 36.8
3.0	+ 35.2	+ 44.2	+ 50.2	+ 50.2	+ 44.2	+ 35.2
1.0	+ 31.0	+ 37.5	+ 42.3	+ 42.3	+ 37.5	+ 31.0

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:33 6-Mar-95
PROJECT: 13-080 AREA: OFFICE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.6 MAX=53.8 AVE=33.7 AVE/MIN= 1.63 MAX/MIN= 2.61

BT (2) = T9939 METALOPTICS WRSN4STACL042EP11, (2) F032/35K, LLF= 0.66

Y-AXIS

9.0	20.6	26.4	30.6	30.6	26.4	20.6
7.0	27.7	37.4	43.8	43.8	37.4	27.7
5.0	32.9	BT	45.4	53.8	BT	53.8	45.4	32.9
3.0	27.7	37.4	43.8	43.8	37.4	27.7
1.0	20.6	26.4	30.6	30.6	26.4	20.6

1.0 3.0 5.0 7.0 9.0 11.0

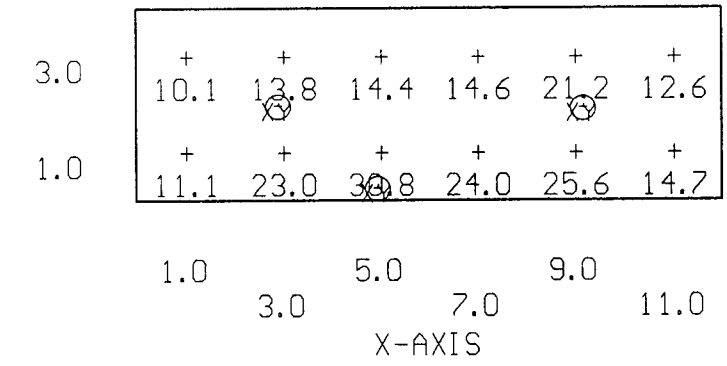
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:37 30-Jan-95
PROJECT: 13-080 AREA: TOILETS GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.1 MAX=30.8 AVE=18.0 AVE/MIN= 1.78 MAX/MIN= 3.04

XY (6) = B1975A PRESCOLITE 1234-117, (1) 75A19/IF, LLF= 0.82

Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:37 6-Mar-95
PROJECT: 13-080 AREA: TOILETS-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.4 MAX=28.1 AVE=19.4 AVE/MIN= 1.70 MAX/MIN= 2.48

CF (6) = B2374B PRESCOLITE CFR618-372, (2) F18DTT/27K, LLF= 0.50

Y-AXIS

3.0	+ 11.4	+ 15.5	+ 20.6	+ 23.3	+ 20.6	+ 15.7
1.0	+ 13.1	+ 20.4	+ 25.8	+ 28.1	+ 22.0	+ 15.7

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:39 30-Jan-95
PROJECT: 13-080 AREA: HALLWAY GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.25 MAX=10.3 AVE=4.11 AVE/MIN= 16.26 MAX/MIN= 40.82

XY <1> = B1975A PRESCOLITE 1234-117, <1> 75A19/IF, LLF= 0.82

Y-AXIS

15.5	+ 0.25	+ 0.25
13.5	+ 0.36	+ 0.36
11.5	+ 0.65	+ 0.64
9.5	+ 1.42	+ 1.41
7.5	+ 3.74	+ 3.71
5.5	+ 8.34	+ 8.29
3.5	+ 10.3	+ 10.3
1.5	+ 7.88	+ 7.82

1.0 3.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:39 6-Mar-95
PROJECT: 13-080 AREA: HALLWAY-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.27 MAX=7.92 AVE=4.10 AVE/MIN= 15.16 MAX/MIN= 29.26

CF (1) = B2374B PRESCOLITE CFR618-372, (2) F18DTT/27K, LLF= 0.50

Y-AXIS

15.5	+ 0.27	+ 0.27
13.5	+ 0.50	+ 0.50
11.5	+ 1.45	+ 1.45
9.5	+ 3.01	+ 3.01
7.5	+ 5.35	+ 5.35
5.5	+ 7.56	+ 7.55
3.5	+ 7.92	+ 7.90
1.5	+ 6.79	+ 6.75

1.0 3.0

X-AXIS

Bldg 13-100 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A2	82	16	1,312
B2	164	6	984
X9	100	2	200
Totals		24	2,496

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A2	82	5	410
A8	59	14	826
B8	110	3	330
X9	100	2	200
Totals		24	1,766

13-100 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-100 Type: Indoor

Luminaire Fixture Schedule / ~~PROPOSED~~ PRESENT

Project name: PBA Lighting Survey - Bldg 13-100
Prepared for: Corps of Engineers
Prepared by: C. Warren

Project #6941331
Date: 30-Jan-95
UPD: 1.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A2	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW/RS/WM STD	000 - 82	16	5 no action 11 upgrade to A3
B2	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	F40CW/RS/WM STD	000 - 164	6	2 removed 3 upgrade to B3 1 upgrade to B3
X9	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	100A19/IF NA	000 - 100	2	2 no action

NOTES:

24

13-100 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-100 Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA Lighting Survey - Bldg 13-100	Project #6941331
Prepared for: Corps of Engineers	Date: 7-Mar-95
Prepared by: C. Warren	UPD: 1.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A2	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW/RS/WM STD	000 - 82	5	
B8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	14	Rup 2 new
B8	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	FO32/35K ESB	000 - 110	3	
X9	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	100A19/IF NA	000 - 100	2	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-100 Type: Indoor

Project Area Summary	
Project name: PBA Lighting Survey - Bldg 13-100	Project #6941331
Prepared for: Corps of Engineers	Date: 7-Mar-95
Prepared by: C. Warren	UPD: 1.1W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
WAITING ROOM	30x15x9Ft	(6) Type A2	1.1	1
WAITING ROOM-N	30x15x9Ft	(6) Type A8	0.8	1
PHARMACY	20x9x9Ft	(2) Type B2	1.8	1
HARMACY-N	20x9x9Ft	(2) Type B8	1.2	1
PHARMACY OFFICE	8x9x9Ft	(1) Type B2	2.3	1
PHAR. OFFICE-N	8x9x9Ft	(1) Type B8	1.5	1
STORAGE 1	11x9x9Ft	(1) Type B2	1.7	1
STORAGE 1-N	11x9x9Ft	(1) Type A8	0.6	1
HALLWAY	53x5x9Ft	(3) Type A2	0.9	1
HALLWAY-N	53x5x9Ft	(3) Type A8	0.7	1
PHARMACY STO	8x9x9Ft	(1) Type X9	1.4	1
STORAGE 2	24x9x9Ft	(1) Type A2 (2) Type B2	1.9	1
STORAGE 2-N	24x9x9Ft	(3) Type A8	0.8	1
TOILET	9x9x9Ft	(1) Type X9	1.2	1
MECHANICAL RM	6x9x9Ft	(1) Type A2	1.5	1
ECHANICAL RM-N	6x9x9Ft	(1) Type A8	1.1	1
DENTAL 1	12x9x9Ft	(1) Type A2	0.8	1
DENTAL 2	12x9x9Ft	(2) Type A2	1.5	1

ENTAL STORAGE	8x9x9Ft	(1) Type A2	1.1	1
DENTAL X-RAY	8x9x9Ft	(1) Type A2	1.1	1

NOTES:

13-100 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-100 Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Bldg 13-100	Project #6941331
Prepared for: Corps of Engineers	Date: 7-Mar-95
Prepared by: C. Warren	UPD: 1.1W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
WAITING ROOM	30x15x9Ft	Ceiling	<+> 27.9	32.4	19.5
WAITING ROOM-N	30x15x9Ft	Ceiling	<+> 29.6	34.3	20.7
PHARMACY	20x9x9Ft	Ceiling	<+> 41.4	61.8	16.9
PHARMACY-N	20x9x9Ft	Ceiling	<+> 43.9	65.6	17.9
PHARMACY OFFICE	8x9x9Ft	Ceiling	<+> 40.7	50.1	32.4
PHAR. OFFICE-N	8x9x9Ft	Ceiling	<+> 43.1	53.2	34.3
STORAGE 1	11x9x9Ft	Ceiling	<+> 35.2	49.2	24.4
STORAGE 1-N	11x9x9Ft	Ceiling	<+> 18.3	24.6	13.2
HALLWAY	53x5x9Ft	Ceiling	<+> 15.4	24.9	5.6
HALLWAY-N	53x5x9Ft	Ceiling	<+> 16.3	26.4	6.0
PHARMACY STO	8x9x9Ft	Ceiling	<+> 7.0	16.4	2.3
STORAGE 2	24x9x9Ft	Ceiling	<+> 42.8	59.8	19.5
STORAGE 2-N	24x9x9Ft	Ceiling	<+> 26.8	32.8	18.3
TOILET	9x9x9Ft	Ceiling	<+> 7.0	15.3	2.5
MECHANICAL RM	6x9x9Ft	Ceiling	<+> 22.4	26.2	19.5
MECHANICAL RM-N	6x9x9Ft	Ceiling	<+> 23.8	27.7	20.6
DENTAL 1	12x9x9Ft	Ceiling	<+> 15.8	22.0	10.5
DENTAL 2	12x9x9Ft	Ceiling	<+> 29.3	35.7	22.8

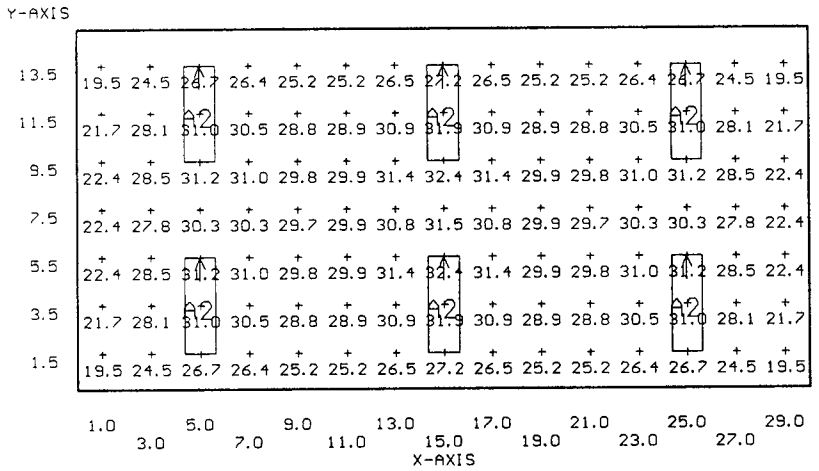
DENTAL STORAGE	8x9x9Ft	Ceiling	<+>	19.9	23.8	16.5
DENTAL X-RAY	8x9x9Ft	Ceiling	<+>	19.9	23.8	16.5

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:39 30-Jan-95
PROJECT: 13-100 AREA: WAITING ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=19.5 MAX=32.4 AVE=27.9 AVE/MIN= 1.43 MAX/MIN= 1.66

A2 (6) = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68

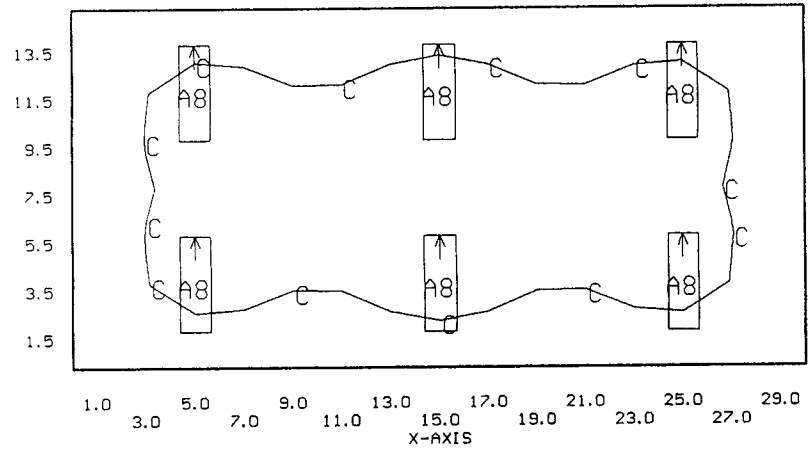


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:18 7-Mar-95
PROJECT: 13-100 AREA: WAITING ROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.7 MAX=34.3 AVE=29.6 AVE/MIN= 1.43 MAX/MIN= 1.66

A8 <6> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:45 30-Jan-95
PROJECT: 13-100 AREA: PHARMACY GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.9 MAX=61.8 AVE=41.4 AVE/MIN= 2.45 MAX/MIN= 3.67

B2 (2) = K9708 COLUMBIA WCW440-A, (4) F40CW/RS/WM, LLF= 0.68

Y-AXIS

7.5	16.9	26.8	36.7	44.7	49.3	50.2	47.7	41.7	32.9	22.7
5.5	19.8	32.1	46.1	57.3	61.8	61.8	60.7	52.7	39.8	26.7
3.5	19.8	32.1	46.1	57.3	61.8	61.8	60.7	52.7	39.8	26.7
1.5	16.9	26.8	36.7	44.7	49.3	50.2	47.7	41.7	32.9	22.7

B2 B2

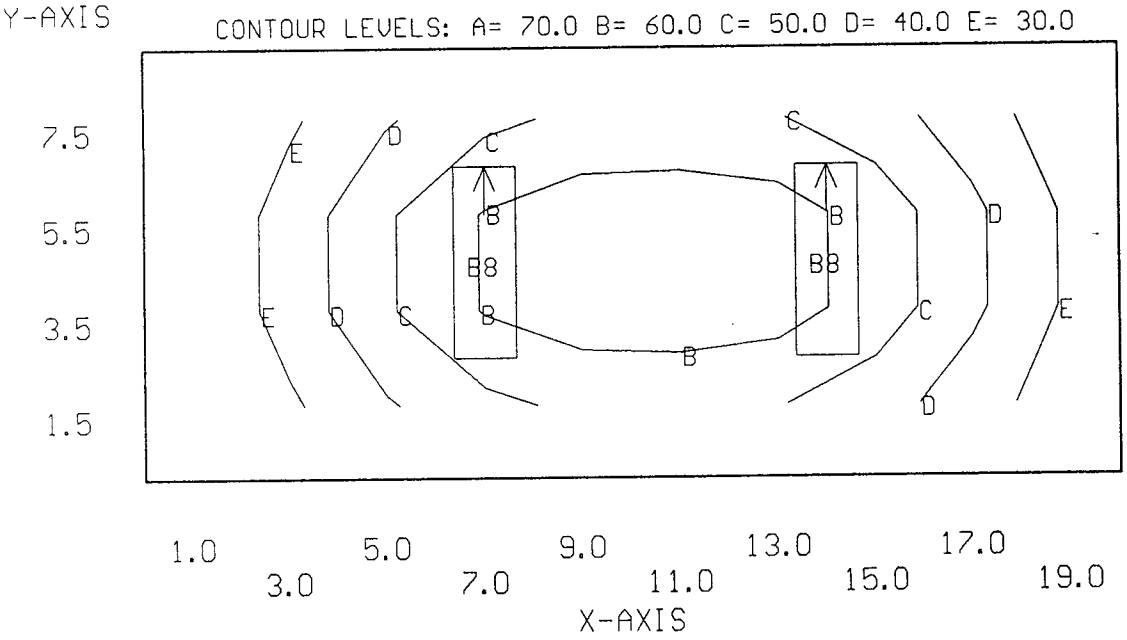
1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0 17.0 19.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:30 7-Mar-95
PROJECT: 13-100 AREA: PHARMACY-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.9 MAX=65.6 AVE=43.9 AVE/MIN= 2.45 MAX/MIN= 3.67

B8 (2) = K9708 COLUMBIA WCW440-A, (4) F032/35K, LLF= 0.66

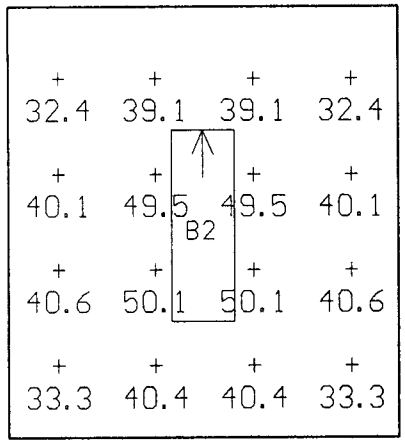


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:49 30-Jan-95
PROJECT: 13-100 AREA: PHARMACY OFFICE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=32.4 MAX=50.1 AVE=40.7 AVE/MIN= 1.26 MAX/MIN= 1.55

B2 (1) = K9708 COLUMBIA WCW440-A, (4) F40CW/RS/WM, LLF= 0.68

Y-AXIS



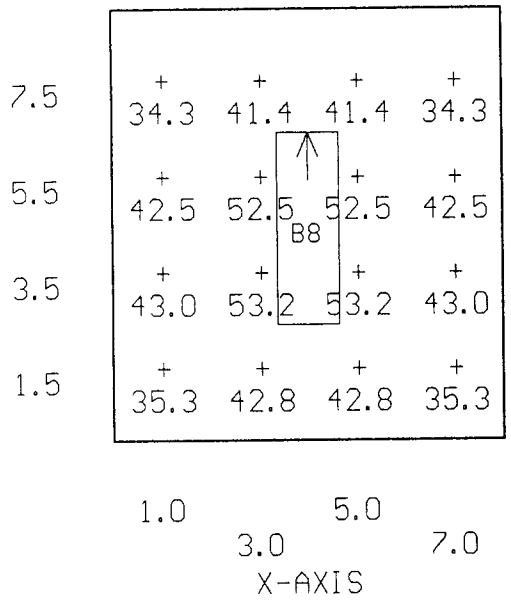
1.0 5.0
3.0 7.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:35 7-Mar-95
PROJECT: 13-100 AREA: PHAR. OFFICE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=34.3 MAX=53.2 AVE=43.1 AVE/MIN= 1.26 MAX/MIN= 1.55

B8 (1) = K9708 COLUMBIA WCW440-A, (4) F032/35K, LLF= 0.66

Y-AXIS

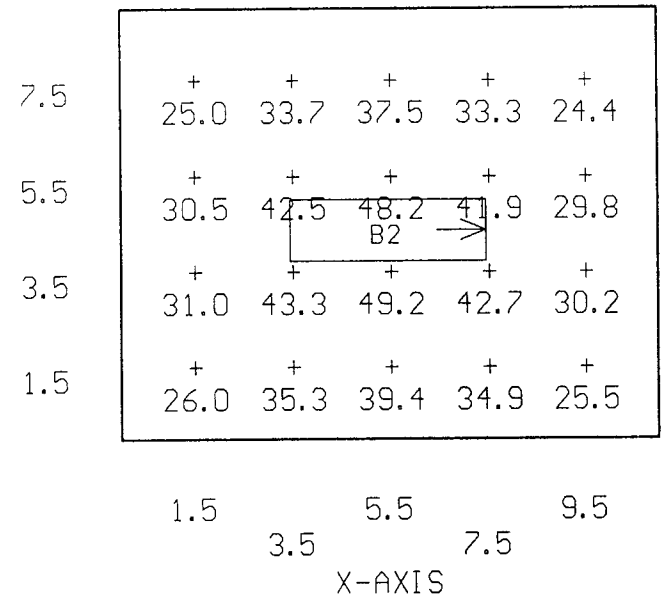


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:52 30-Jan-95
PROJECT: 13-100 AREA: STORAGE 1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.4 MAX=49.2 AVE=35.2 AVE/MIN= 1.44 MAX/MIN= 2.01

B2 <1> = K9708 COLUMBIA WCW440-A, (4) F40CW/RS/WM, LLF= 0.68

Y-AXIS

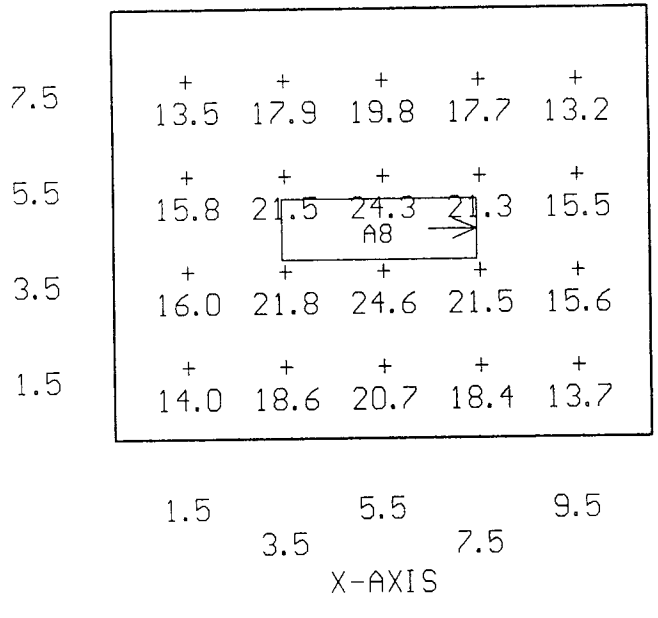


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:36 7-Mar-95
PROJECT: 13-100 AREA: STORAGE 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.2 MAX=24.6 AVE=18.3 AVE/MIN= 1.38 MAX/MIN= 1.86

A8 <1> = K9604 COLUMBIA WCW240-A, (2) FO32/35K, LLF= 0.66

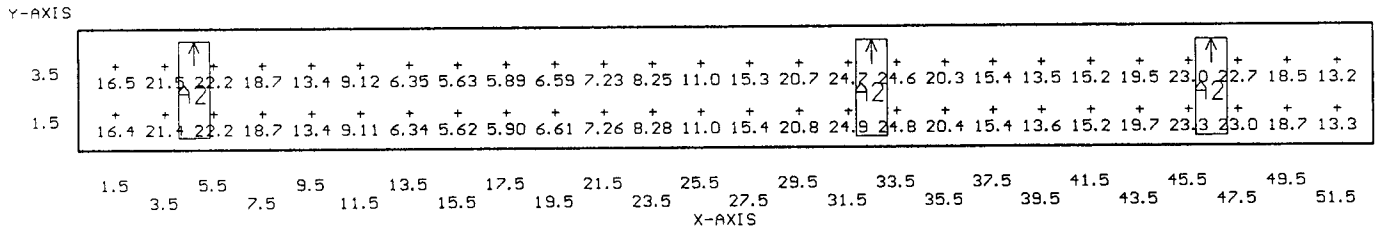
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:57 30-Jan-95
PROJECT: 13-100 AREA: HALLWAY GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.62 MAX=24.9 AVE=15.4 AVE/MIN= 2.74 MAX/MIN= 4.43

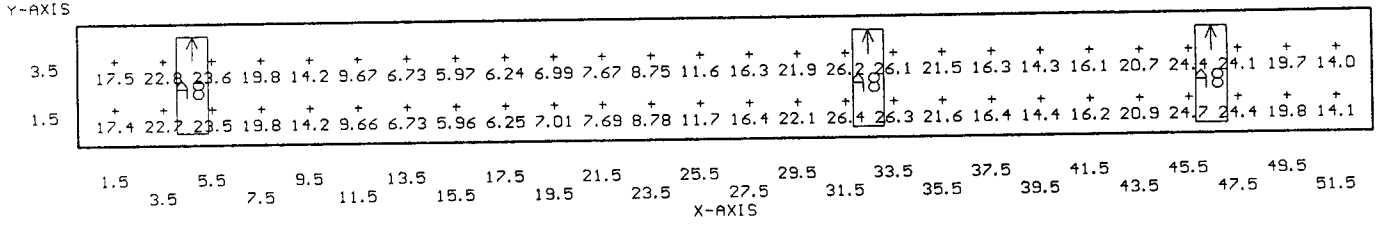
A2 (3) = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:38 7-Mar-95
PROJECT: 13-100 AREA: HALLWAY-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.96 MAX=26.4 AVE=16.3 AVE/MIN= 2.73 MAX/MIN= 4.43

A8 (3) = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:01 30-Jan-95
PROJECT: 13-100 AREA: PHARMACY STO GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.32 MAX=16.4 AVE=7.02 AVE/MIN= 3.03 MAX/MIN= 7.09

X9 (1) = B1401C PRESCOLITE PBX-TB12, (1) 100A19/IF, LLF= 0.76

Y-AXIS

7.5	2.32	4.53	4.63	2.43
5.5	4.78	14.3	14.8	5.11
3.5	5.11	15.8	16.4	5.47
1.5	2.68	5.54	5.67	2.82

X9

1.0 3.0 5.0 7.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:06 30-Jan-95
PROJECT: 13-100 AREA: STORAGE 2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=19.5 MAX=59.8 AVE=42.8 AVE/MIN= 2.19 MAX/MIN= 3.06

A2 <1> = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68
B2 <2> = K9708 COLUMBIA WCW440-A, (4) F40CW/RS/WM, LLF= 0.68

Y-AXIS

7.5	35.3	43.5	47.0	47.1	47.4	48.1	46.3	40.7	34.3	29.5	24.8	19.5
5.5	42.0	53.9	58.6	57.1	57.4	59.8	57.2	48.8	40.8	35.3	29.1	22.0
3.5	42.0	53.9	58.6	57.1	57.4	59.8	57.2	48.8	40.9	35.4	29.2	22.1
1.5	35.3	43.5	47.0	47.1	47.4	48.1	46.3	40.8	34.5	29.7	25.0	19.7

B2 B2 A2

1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0 17.0 19.0 21.0 23.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:41 7-Mar-95
PROJECT: 13-100 AREA: STORAGE 2-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.3 MAX=32.8 AVE=26.8 AVE/MIN= 1.47 MAX/MIN= 1.79

A8 <3> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

7.5	19.3	23.6	25.7	25.8	26.3	27.5	27.7	26.8	26.3	25.7	23.0	18.3
5.5	22.1	28.1	30.5	29.9	30.4	32.5	32.8	31.1	30.8	30.8	27.3	20.8
3.5	22.1	28.1	30.5	29.9	30.4	32.5	32.8	31.2	30.8	30.9	27.4	20.9
1.5	19.3	23.6	25.7	25.8	26.3	27.5	27.7	26.9	26.5	26.0	23.2	18.5

A8 A8 A8

1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0 17.0 19.0 21.0 23.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:10 30-Jan-95
PROJECT: 13-100 AREA: TOILET GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.49 MAX=15.3 AVE=6.95 AVE/MIN= 2.79 MAX/MIN= 6.13

X9 (1) = B1401C PRESCOLITE PBX-TB12, (1) 100A19/IF, LLF= 0.76

Y-AXIS

7.5	2.49	5.02	5.02	2.49
5.5	5.02	15.3	15.3	5.02
3.5	5.02	15.3	15.3	5.02
1.5	2.49	5.02	5.02	2.49

1.5 3.5 5.5 7.5

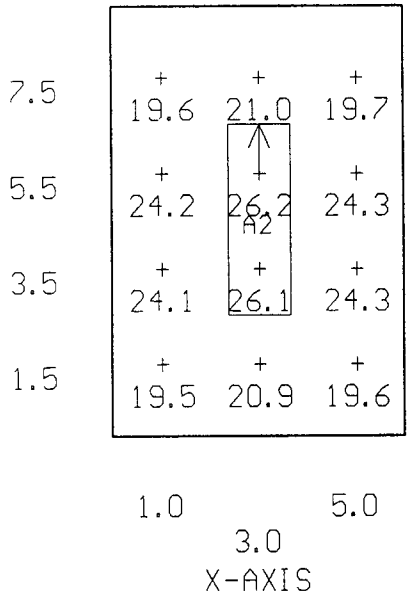
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:14 30-Jan-95
PROJECT: 13-100 AREA: MECHANICAL RM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=19.5 MAX=26.2 AVE=22.4 AVE/MIN= 1.15 MAX/MIN= 1.34

A2 <1> = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68

Y-AXIS

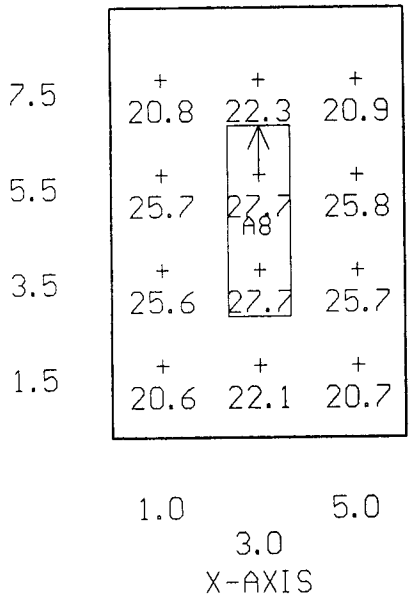


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:45 7-Mar-95
PROJECT: 13-100 AREA: MECHANICAL RM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.6 MAX=27.7 AVE=23.8 AVE/MIN= 1.15 MAX/MIN= 1.34

A8 <1> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:17 30-Jan-95
PROJECT: 13-100 AREA: DENTAL 1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.5 MAX=22.0 AVE=15.8 AVE/MIN= 1.50 MAX/MIN= 2.10

A2 <1> = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68

Y-AXIS

7.5	10.5	14.7	18.3	18.3	14.7	10.5
5.5	11.9	17.2	22.0	22.0	17.2	11.9
3.5	11.9	17.2	22.0	22.0	17.2	11.9
1.5	10.5	14.7	18.3	18.3	14.7	10.5

A2

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:21 30-Jan-95
PROJECT: 13-100 AREA: DENTAL 2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.8 MAX=35.7 AVE=29.3 AVE/MIN= 1.29 MAX/MIN= 1.57

A2 <2> = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68

Y-AXIS

7.5	22.8	26.9	29.4	29.4	26.9	22.8
5.5	27.8	33.3 A2	35.7	35.7	33.3 A2	27.8
3.5	27.8	33.3	35.7	35.7	33.3	27.8
1.5	22.8	26.9	29.4	29.4	26.9	22.8

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:25 30-Jan-95
PROJECT: 13-100 AREA: DENTAL STORAGE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.5 MAX=23.8 AVE=19.9 AVE/MIN= 1.21 MAX/MIN= 1.45

A2 <1> = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68

Y-AXIS

7.5	16.5	19.9	19.9	16.5
5.5	19.4	23.8	23.8 A2 →	19.4
3.5	19.4	23.8	23.8	19.4
1.5	16.5	19.9	19.9	16.5

1.0 3.0 5.0 7.0

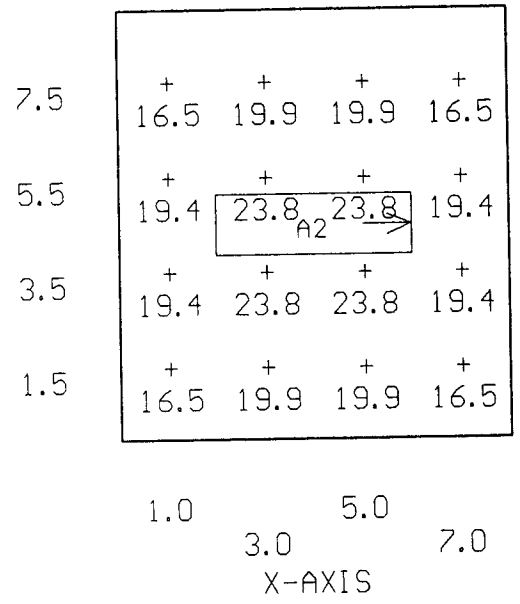
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:27 30-Jan-95
PROJECT: 13-100 AREA: DENTAL X-RAY GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.5 MAX=23.8 AVE=19.9 AVE/MIN= 1.21 MAX/MIN= 1.45

A2 <1> = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68

Y-AXIS



Bldg 13-110 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
I	75	1	75
I1	150	2	300
L2	82	16	1,312
L4	164	17	2,788
Totals		36	4,475

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
CF	48	1	48
I1	150	2	300
L5	110	5	550
L8	59	24	1,416
Totals		32	2,314

13-110 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-110 Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Bldg 13-110 | Project #6941331
Prepared for: Corps of Engineers | Date: 8-Feb-95
Prepared by: C. Warren | UPD: 2.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
I	8" RECESSED SQUARE DOWNLIGHT LENS- PRISMATIC PRESCOLITE 488HF-1	75A19/IF NA	000 - 75	↘ 1	1 → CF
I1	6" RECESSED ROUND DOWNLIGHT OPEN- CLR.ALZAK W/ BL.BAFFLE PRESCOLITE PBX-TO78S	150A21/IF NA	000 - 150	↘ 2	✓ Remain
L2	2'X4' 2L STATIC GRID TROFFER LENS- .125" THK PRISMATIC A12 COLUMBIA 2SG240-EXA.125NOM	F40CW ESB	000 - 82	↘ 16	16 → L8
L4	2'X4' 4L STATIC GRID TROFFER LENS- .125" NOM PRISMATIC A12 COLUMBIA 2SG440-EXA.125NOM	F40CW ESB	000 - 164	↘ 17	8 → L8 5 → L5 4 – remove

NOTES:

13-110 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-110 Type: Indoor

Luminaire Fixture Schedule PROPOSED

Project name: PBA Lighting Survey - Bldg 13-110
Prepared for: Corps of Engineers
Prepared by: C. Warren

Project #6941331
Date: 7-Mar-95
UPD: 1.2W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
CF	6" 2L RECESSED ROUND DOWNLIGHT OPEN - CLEAR ALZAK REFLECTOR PRESCOLITE CFR618-372	F18DTT/27K STD	000 - 48	1	✓
I1	6" RECESSED ROUND DOWNLIGHT OPEN- CLR.ALZAK W/ BL.BAFFLE PRESCOLITE PBX-TO78S	150A21/IF NA	000 - 150	2	✓
L5	2'X4' 4L STATIC GRID TROFFER LENS- .125" NOM PRISMATIC A12 COLUMBIA 2SG440-EXA.125NOM	FO32/35K ESB	000 - 110	5	✓
L8	2'X4' 2L STATIC GRID TROFFER LENS- .125" THK PRISMATIC A12 COLUMBIA 2SG240-EXA.125NOM	FO32/35K EOCT	000 - 59	24	✓

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-110 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 13-110	Project #6941331
Prepared for: Corps of Engineers	Date: 7-Mar-95
Prepared by: C. Warren	UPD: 1.8W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
ADMIN AREA	68x24x8Ft	(1) Type I (16) Type L2 (17) Type L4	2.6	1
ADMIN AREA-N	68x24x8Ft	(1) Type CF (5) Type L5 (24) Type L8	1.2	1
STORAGE	12x12x8Ft	(1) Type I1	1.0	2

NOTES:

13-110 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 13-110 Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Bldg 13-110	Project #6941331
Prepared for: Corps of Engineers	Date: 7-Mar-95
Prepared by: C. Warren	UPD: 1.8W/Sq.Ft

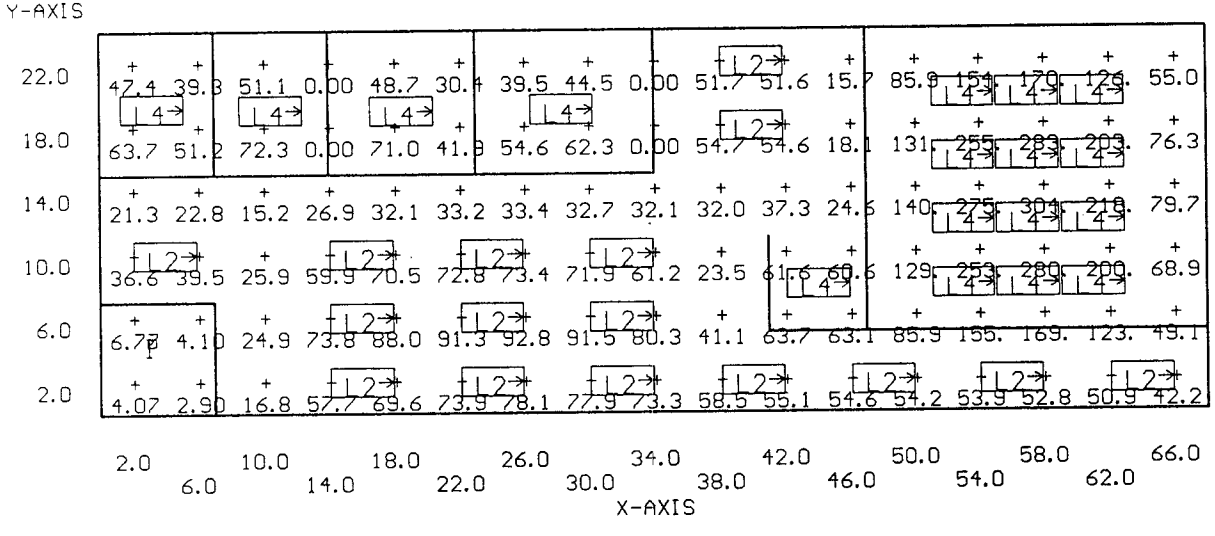
AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
ADMIN AREA	68x24x8Ft	Ceiling	<+> 74.8	304.4	0.0
ADMIN AREA-N	68x24x8Ft	Ceiling	<+> 44.6	86.8	0.0
STORAGE	12x12x8Ft	Ceiling	<+> 8.7	25.5	0.7

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:28 8-Feb-95
PROJECT: 13-110 AREA: ADMIN AREA GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=304. AVE=74.8 AVE/MIN=N/A MAX/MIN=N/A

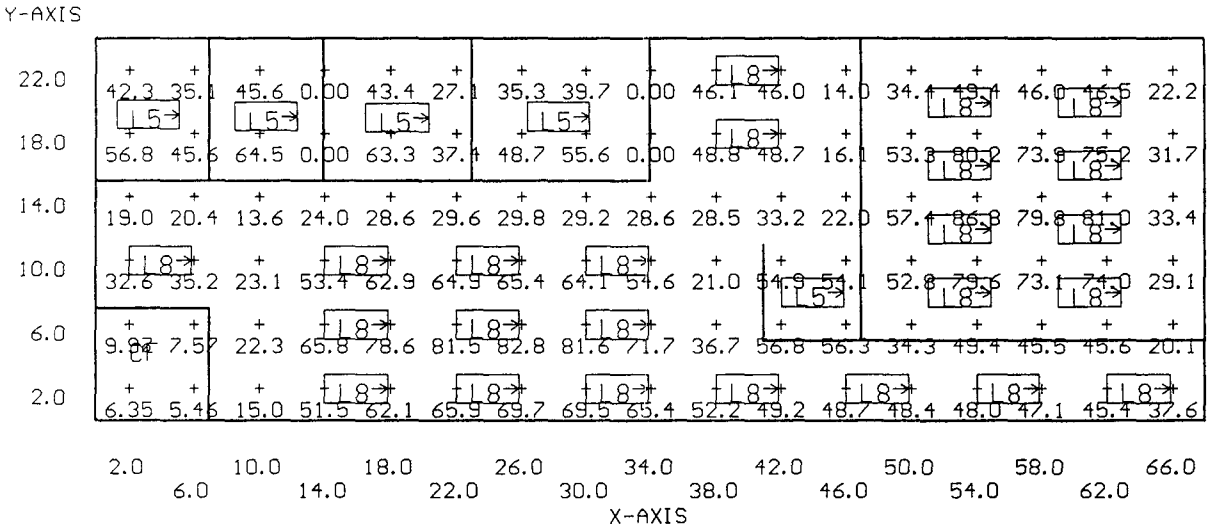
I (1) = B2008A PRESCOLITE 488HF-1, (1) 75A19/IF, LLF= 0.76
L2 (16) = K7965 COLUMBIA 2SG240-EXA.125NOM, (2) F40CW, LLF= 0.68
L4 (17) = K7952 COLUMBIA 2SG440-EXA.125NOM, (4) F40CW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:20 7-Mar-95
PROJECT: 13-110 AREA: ADMIN AREA-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=86.8 AVE=44.6 AVE/MIN=N/A MAX/MIN=N/A

CF (1) = B2374B PRESCOLITE CFR618-372, (2) F18DTT/27K, LLF= 0.50
L5 (5) = K7952 COLUMBIA 2SG440-EXA.125NOM, (4) FO32/35K, LLF= 0.66
L8 (24) = K7965 COLUMBIA 2SG240-EXA.125NOM, (2) FO32/35K, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:33 8-Feb-95
PROJECT: 13-110 AREA: STORAGE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.69 MAX=25.5 AVE=8.66 AVE/MIN= 12.54 MAX/MIN= 36.97

I1 <2> = B1486A PRESCOLITE PBX-T078S, (1) 150A21/IF, LLF= 0.76

Y-AXIS

11.0	0.69	1.13	2.81	2.81	1.13	0.69
9.0	1.13	8.42	17.7	17.7	8.42	1.13
7.0	2.81	17.7	25.5	25.5	17.7	2.81
5.0	2.81	17.7	25.5	25.5	17.7	2.81
3.0	1.13	8.42	17.7	17.7	8.42	1.13
1.0	0.69	1.13	2.81	2.81	1.13	0.69

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

Bldgs 16-210, 16-220 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	83	10	830
A2	52	6	312
G	84	20	1,680
G1	51	6	306
G2	82	2	164
X1	150	2	300
Totals		46	3,592

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A7	34	6	204
A8	59	10	590
CF	56	2	112
R1	34	6	204
R2	61	12	732
Totals		36	1,842

16-210 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 16-210 Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Bldgs 16-210,220 | Project #6941331
Prepared for: CORP OF ENGINEERS | Date: 4-Feb-95
Prepared by: R. SHARMA | UPD: 1.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW ESB	000 - 83	10	
A2	5"X4"X4' 1L WALL CORRIDOR WRAP LENS- SMOOTH WHITE ACRYLIC COLUMBIA W140-A	F40CW ESB	000 - 52	6	
G	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-12 COLUMBIA 4PS2*-52-242	F40WW ESB	000 - 84	20	
G1	1X4 1L FLUSH STATIC TROFFER LENS-.100" PRISMATIC A-12 COLUMBIA 4PS2*-52-141-PAF	F40CW ESB	000 - 51	6	
G2	2X2 2L FLUSH STATIC TROFFER LENS-HOLOPHANE #8224 W/OVERLAY COLUMBIA 5PS2*-72-222U	FB40/CW/6 ESB	000 - 82	2	remove
X1	8" PENDANT CYLINDER DOWNLIGHT OPEN- BLACK BAFFLE PRESCOLITE 1128-930	150A21/IF NA	000 - 150	2	→(1)

NOTES:

16-210 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 16-210 Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA Lighting Survey - Bldgs 16-210,220 | Project #6941331
Prepared for: CORP OF ENGINEERS | Date: 7-Mar-95
Prepared by: R. SHARMA | UPD: 0.6W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A7	5"X4"X4' 1L WALL CORRIDOR WRAP LENS- SMOOTH WHITE ACRYLIC COLUMBIA W140-A	FO32/35K EOCT	000 - 34	6	
A8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	10	
CF	11" 2L SURFACE ROUND DOWNLIGHT OPEN CLR.SPECULAR REFLECTOR PRESCOLITE CFS1026-782	F26DTT/27K STD	000 - 56	2	
R1	1X4 1L FLUSH STATIC TROFFER LENS-.100" PRISMATIC A-12 COLUMBIA 4PS2*-52-141-PAF	FO32/31K EOCT	000 - 34	6	
R2	2X4 2L STATIC GRID TROFFER LENS- .125" THK PRISMATIC A12 COLUMBIA 2J240-EXA.125-EOCT	FO32/35K EOCT	000 - 61	12	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 16-210 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldgs 16-210,220	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 7-Mar-95
Prepared by: R. SHARMA	UPD: 0.9W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
HALLWAY	76x6x9Ft	(5) Type G (1) Type G1 (1) Type G2	1.2	2
HALLWAY-N	76x6x9Ft	(1) Type R1 (4) Type R2	0.6	2
..ITCHEN	18x11x9Ft	(2) Type A1	0.8	2
KITCHEN-N	18x11x9Ft	(2) Type A8	0.6	2
LATRINE #1	8x11x9Ft	(1) Type A1	1.0	2
LATRINE #1-N	8x11x9Ft	(1) Type A8	0.7	2
LAUNDRY	8x11x9Ft	(2) Type A2 (1) Type X1	2.9	2
LAUNDRY-N	8x11x9Ft	(2) Type A7 (1) Type CF	1.4	2
SHOWER	7x5x9Ft	(1) Type A1	2.5	2
SHOWER-N	7x5x9Ft	(1) Type A8	1.8	2
HALLWAY	70x6x9Ft	(5) Type G (2) Type G1	1.2	2
HALLWAY-N	70x6x9Ft	(2) Type R1 (2) Type R2	0.4	2
ATRINE #2	14x11x9Ft	(1) Type A1 (1) Type A2	0.9	2
LATRINE #2-N	14x11x9Ft	(1) Type A7 (1) Type A8	0.6	2

16-210 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 16-210 Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Bldgs 16-210,220	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 7-Mar-95
Prepared by: R. SHARMA	UPD: 0.9W/Sq.Ft

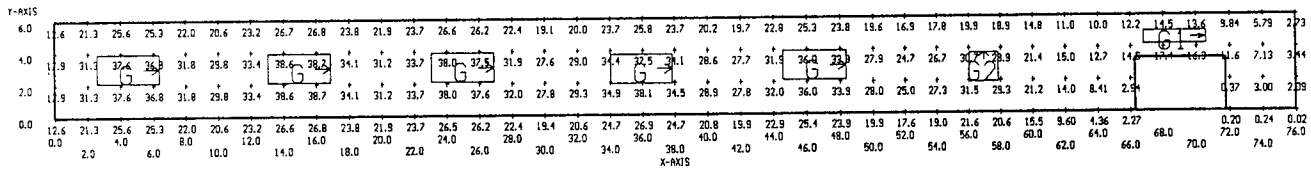
AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
HALLWAY	76x6x9Ft	GRID	<+> 23.5	38.7	0.0
HALLWAY-N	76x6x9Ft	GRID	<+> 15.2	31.4	0.0
KITCHEN	18x11x9Ft	GRID	<+> 24.9	48.2	6.9
KITCHEN-N	18x11x9Ft	GRID	<+> 22.2	43.0	6.1
LATRINE #1	8x11x9Ft	GRID	<+> 17.6	29.4	4.5
LATRINE #1-N	8x11x9Ft	GRID	<+> 15.7	26.2	4.0
LAUNDRY	8x11x9Ft	GRID	<+> 37.6	202.6	10.7
LAUNDRY-N	8x11x9Ft	GRID	<+> 20.8	26.9	13.7
SHOWER	7x5x9Ft	GRID	<+> 31.2	42.5	17.8
SHOWER-N	7x5x9Ft	GRID	<+> 27.9	37.9	15.8
HALLWAY	70x6x9Ft	GRID	<+> 28.3	39.6	11.4
HALLWAY-N	70x6x9Ft	GRID	<+> 12.5	30.3	4.5
LATRINE #2	14x11x9Ft	GRID	<+> 18.3	38.7	0.1
LATRINE #2-N	14x11x9Ft	GRID	<+> 16.3	34.5	0.1

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:15 3-Feb-95
PROJECT: 16-210 AREA: HALLWAY GRID: GRID
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.02 MAX=38.7 AVE=23.5 AVE/MIN=1175.41 MAX/MIN=1938.39

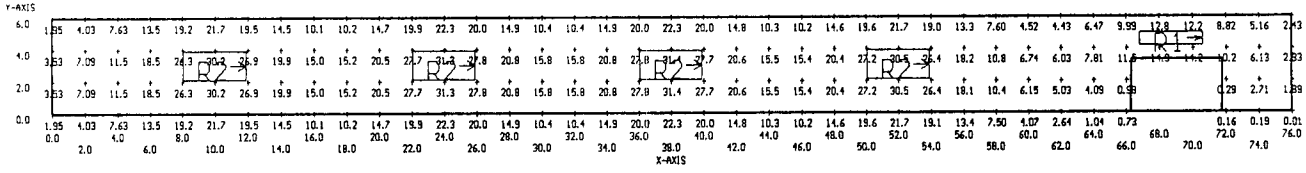
G <10> = 9975 COLUMBIA 4PS2*-52-242, (2) F40WW, LLF= 0.68
G1 <2> = 10021 COLUMBIA 4PS2*-52-141-PAF, (1) F40CW, LLF= 0.68
G2 <2> = 9371 COLUMBIA 5PS2*-72-222U, (2) FB40/CW/6, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:29 7-Mar-95
PROJECT: 16-210 AREA: HALLWAY-N GRID: GRID
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.01 MAX=31.4 AVE=15.2 AVE/MIN= 944.77 MAX/MIN=1945.37

R1 (2) = 10021 COLUMBIA 4PS2*-52-141-PAF, (1) F032/31K, LLF= 0.66
R2 (8) = L11261 COLUMBIA 2J240-EXA.125-EOCT, (2) F032/35K, LLF= 0.66

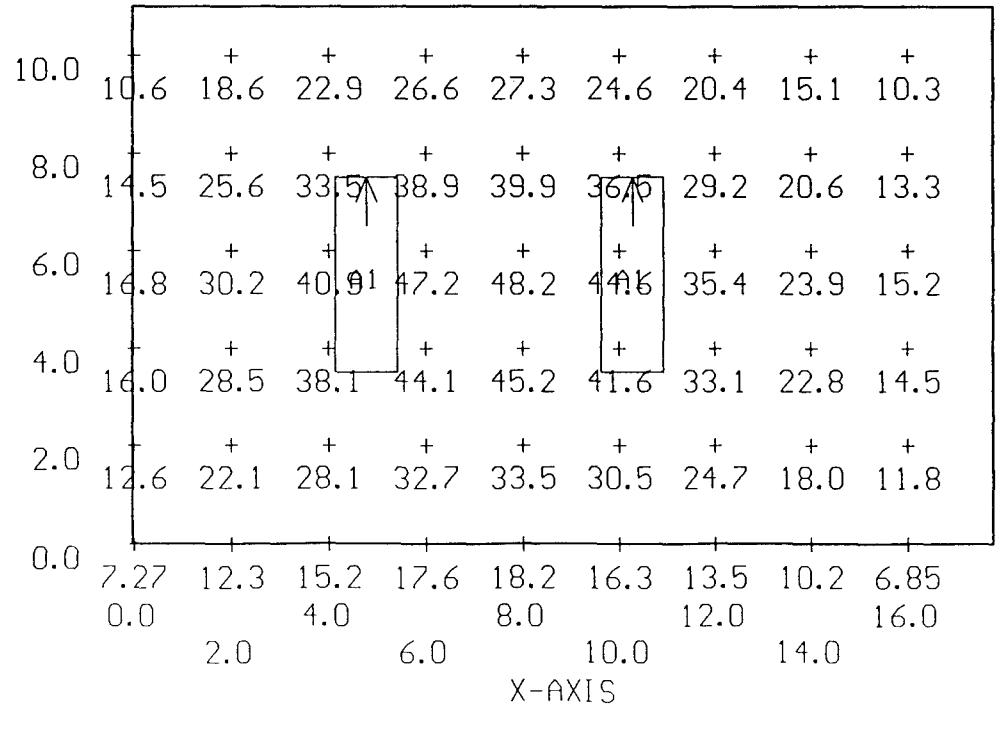


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:29 6-Jan-95
PROJECT: 16-210 AREA: KITCHEN GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.85 MAX=48.2 AVE=24.9 AVE/MIN= 3.64 MAX/MIN= 7.03

A1 <4> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

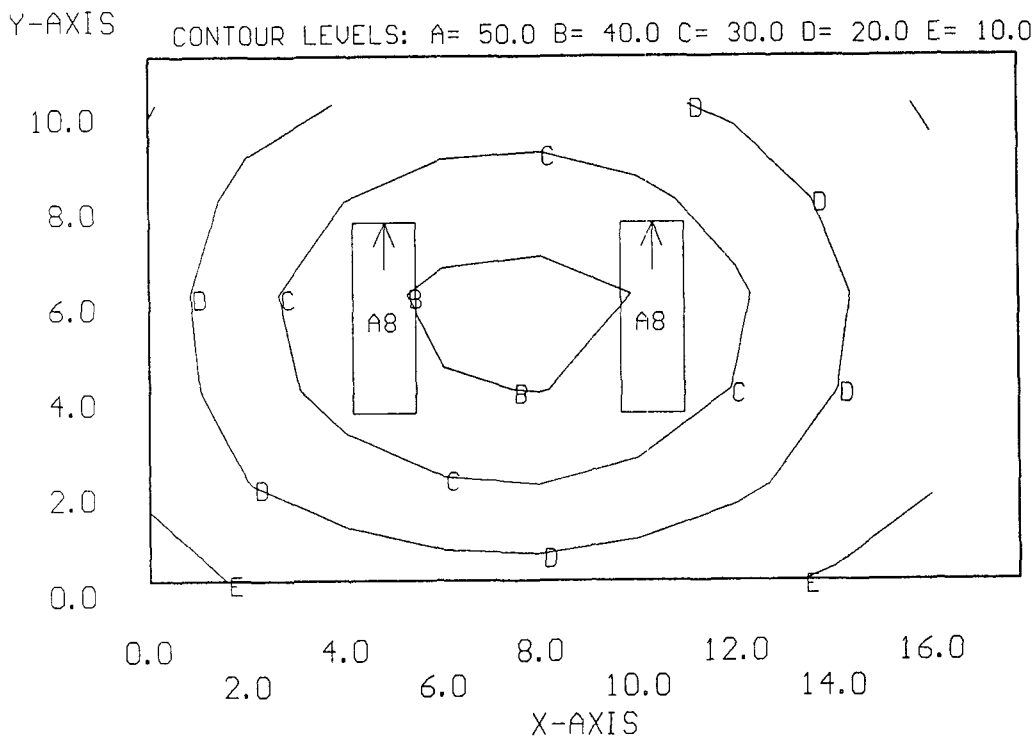
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:34 7-Mar-95
PROJECT: 16-210 AREA: KITCHEN-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.11 MAX=43.0 AVE=22.2 AVE/MIN= 3.64 MAX/MIN= 7.03

A8 (4) = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

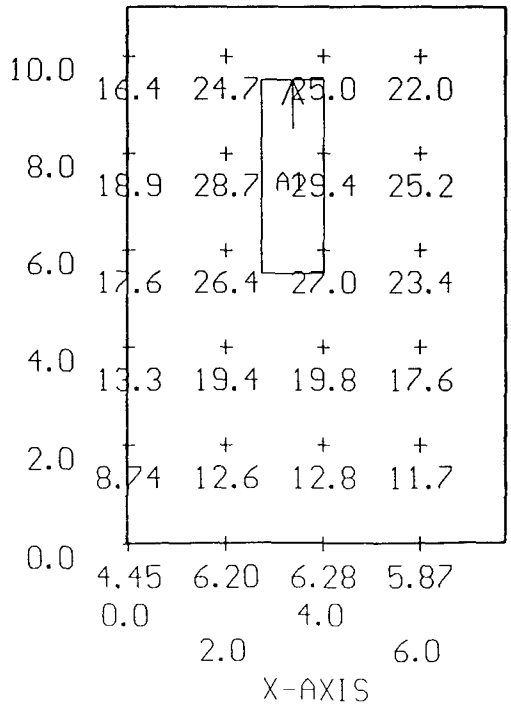


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:30 6-Jan-95
PROJECT: 16-210 AREA: LATRINE #1 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.45 MAX=29.4 AVE=17.6 AVE/MIN= 3.97 MAX/MIN= 6.60

A1 <2> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

Y-AXIS

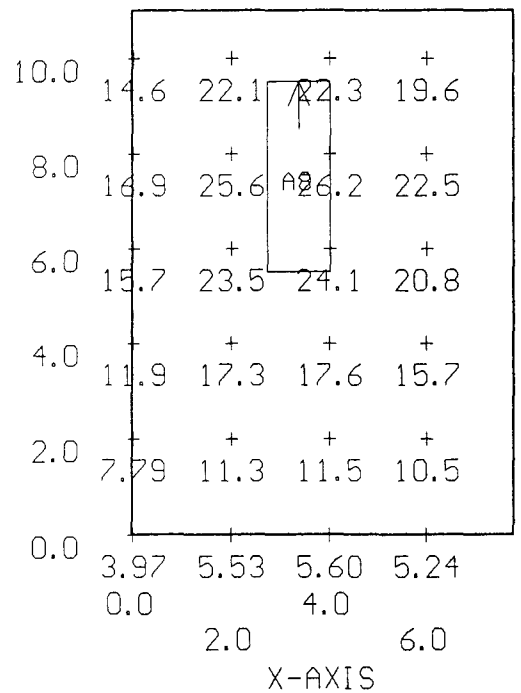


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:36 7-Mar-95
PROJECT: 16-210 AREA: LATRINE #1-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.97 MAX=26.2 AVE=15.7 AVE/MIN= 3.97 MAX/MIN= 6.60

A8 (2) = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

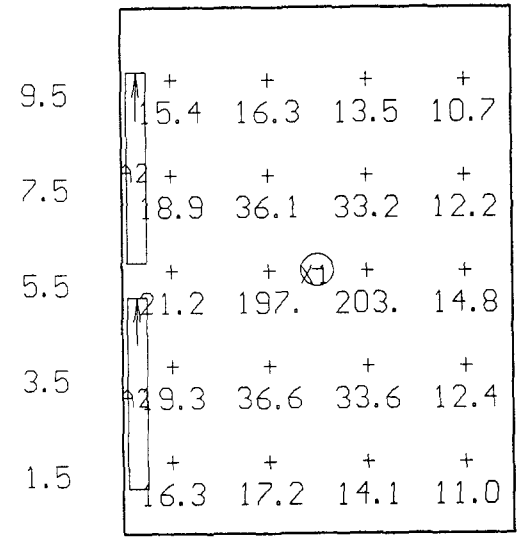


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:14 4-Feb-95
PROJECT: 16-210 AREA: LAUNDRY GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.7 MAX=203. AVE=37.6 AVE/MIN= 3.53 MAX/MIN= 19.00

A2 (4) = K8958 COLUMBIA W140-A, (1) F40CW, LLF= 0.60
X1 (2) = B1073A PRESCOLITE 1128-930, (1) 150A21/IF, LLF= 0.76

Y-AXIS

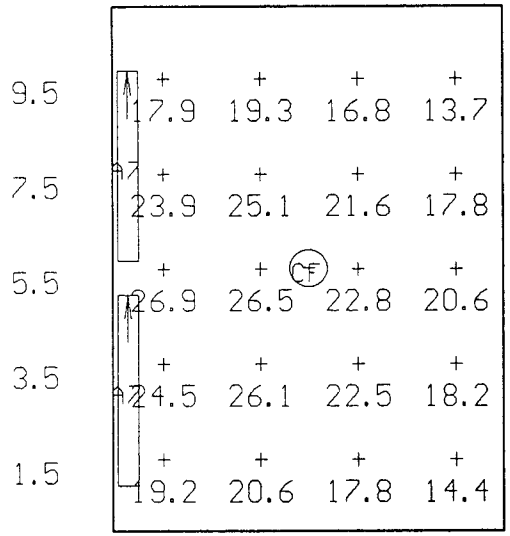


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:41 7-Mar-95
PROJECT: 16-210 AREA: LAUNDRY-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.7 MAX=26.9 AVE=20.8 AVE/MIN= 1.52 MAX/MIN= 1.96

A7 (4) = K8958 COLUMBIA W140-A, (1) F032/35K, LLF= 0.58
CF (2) = B2353B PRESCOLITE CFS1026-782, (2) F26DTT/27K, LLF= 0.50

Y-AXIS

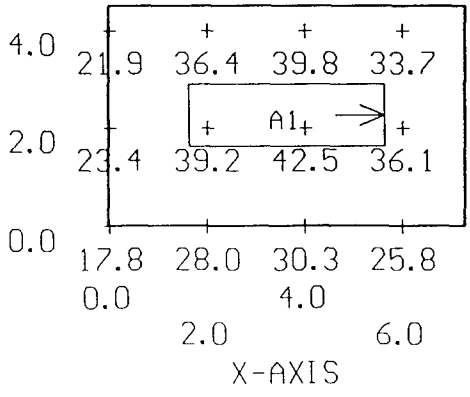


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:32 6-Jan-95
PROJECT: 16-210 AREA: SHOWER GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.8 MAX=42.5 AVE=31.2 AVE/MIN= 1.76 MAX/MIN= 2.39

A1 <2> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

Y-AXIS

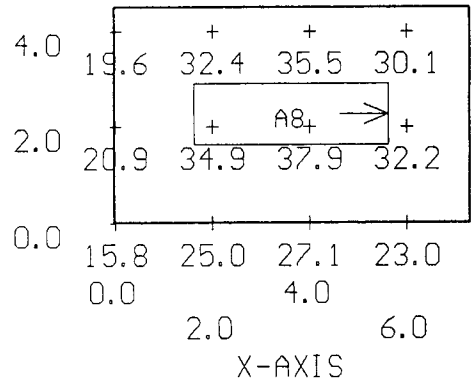


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:43 7-Mar-95
PROJECT: 16-210 AREA: SHOWER-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.8 MAX=37.9 AVE=27.9 AVE/MIN= 1.76 MAX/MIN= 2.39

A8 (2) = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

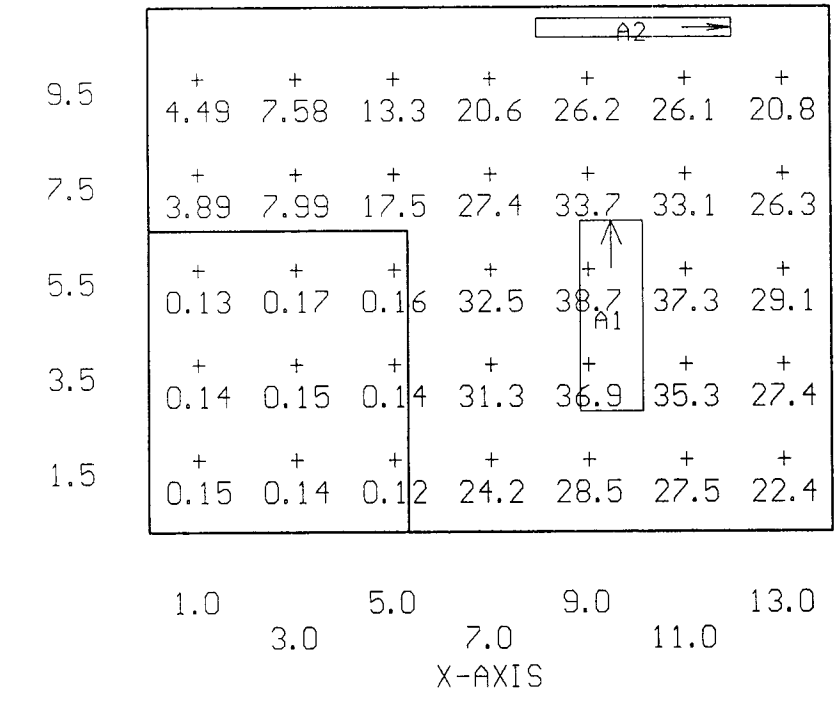
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:27 4-Feb-95
PROJECT: 16-210 AREA: LATRINE #2 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.12 MAX=38.7 AVE=18.3 AVE/MIN= 147.90 MAX/MIN= 312.41

A1 (2) = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68
A2 (2) = K8958 COLUMBIA W140-A, (1) F40CW, LLF= 0.60

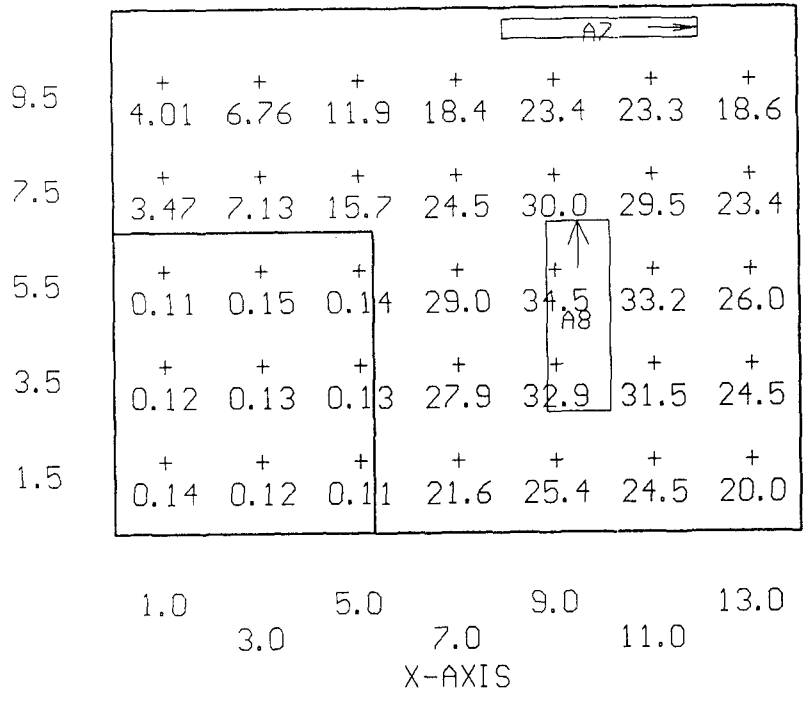


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:45 7-Mar-95
PROJECT: 16-210 AREA: LATRINE #2-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.11 MAX=34.5 AVE=16.3 AVE/MIN= 147.90 MAX/MIN= 312.41

A7 (2) = K8958 COLUMBIA W140-A, (1) F032/35K, LLF= 0.58
A8 (2) = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

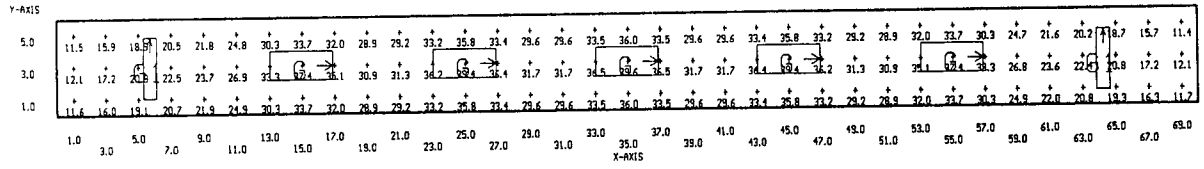
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:23 4-Feb-95
PROJECT: 16-210 AREA: HALLWAY GRID: GRID
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.4 MAX=39.6 AVE=28.3 AVE/MIN= 2.47 MAX/MIN= 3.46

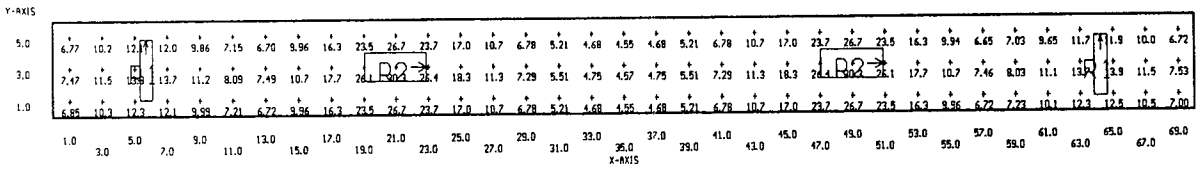
G <10> = 9975 COLUMBIA 4PS2*-52-242, (2) F40WW, LLF= 0.68
G1 <4> = 10021 COLUMBIA 4PS2*-52-141-PAF, (1) F40CW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:01 7-Mar-95
PROJECT: 16-210 AREA: HALLWAY-N GRID: GRID
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.55 MAX=30.3 AVE=12.5 AVE/MIN= 2.76 MAX/MIN= 6.67

R1 (4) = 10021 COLUMBIA 4PS2*-52-141-PAF, (1) F032/31K, LLF= 0.66
R2 (4) = L11261 COLUMBIA 2J240-EXA.125-EOCT, (2) F032/35K, LLF= 0.66



Bldg 31-010 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A	159	6	954
Totals		6	954

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	110	6	660
Totals		6	660

31-010
~~30-010~~ Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 30-010 Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 8-Feb-95
Prepared by: C. Warren	UPD: 3.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A	18"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WPW440-A	F40CW ESB	000 - 159	6	

NOTES:

30-010 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 30-010 Type: Indoor

Luminaire Fixture Schedule /NEW

Project name: PBA Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 7-Mar-95
Prepared by: C. Warren	UPD: 2.1W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	18"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WPW440-A	FO32/35K EOCT	000 - 110	6	

NOTES:

30-010 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 30-010 Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 7-Mar-95
Prepared by: C. Warren	UPD: 2.5W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
LAB	16x20x8Ft	Ceiling	<+> 79.7	100.7	47.5
LAB-N	16x20x8Ft	Ceiling	<+> 71.1	89.9	42.3

NOTES:

30-010 Areas

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 30-010 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 7-Mar-95
Prepared by: C. Warren	UPD: 2.5W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
LAB	16x20x8Ft	(6) Type A	3.0	1
LAB-N	16x20x8Ft	(6) Type A8	2.1	1

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:12 8-Feb-95
PROJECT: 30-010 AREA: LAB GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=47.5 MAX=101. AVE=79.7 AVE/MIN= 1.68 MAX/MIN= 2.12

A <6> = K9691 COLUMBIA WPW440-A, (4) F40CW, LLF= 0.68

Y-AXIS

19.0	47.5	62.9	71.4	75.0	75.3	72.7	65.6	51.0
17.0	54.8	76.4	88.7	91.5	91.6	90.0	79.8	59.2
15.0	57.4	79.2	90.9	95.6	96.1	92.4	82.5	62.0
13.0	58.3	79.2	89.7	96.1	96.8	91.4	82.1	62.8
11.0	59.7	82.8	95.7	99.8	100.	97.1	86.3	64.4
9.0	59.9	83.7	96.9	101.	101.	98.3	87.1	64.7
7.0	58.9	80.0	90.8	96.9	97.6	92.5	83.1	63.5
5.0	58.2	79.7	90.9	96.3	96.8	92.4	82.8	62.9
3.0	56.6	78.9	91.4	94.1	94.2	92.8	82.5	61.2
1.0	50.8	67.9	77.2	80.2	80.5	78.7	71.1	54.9

A (4 locations)

1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0

X-AXIS

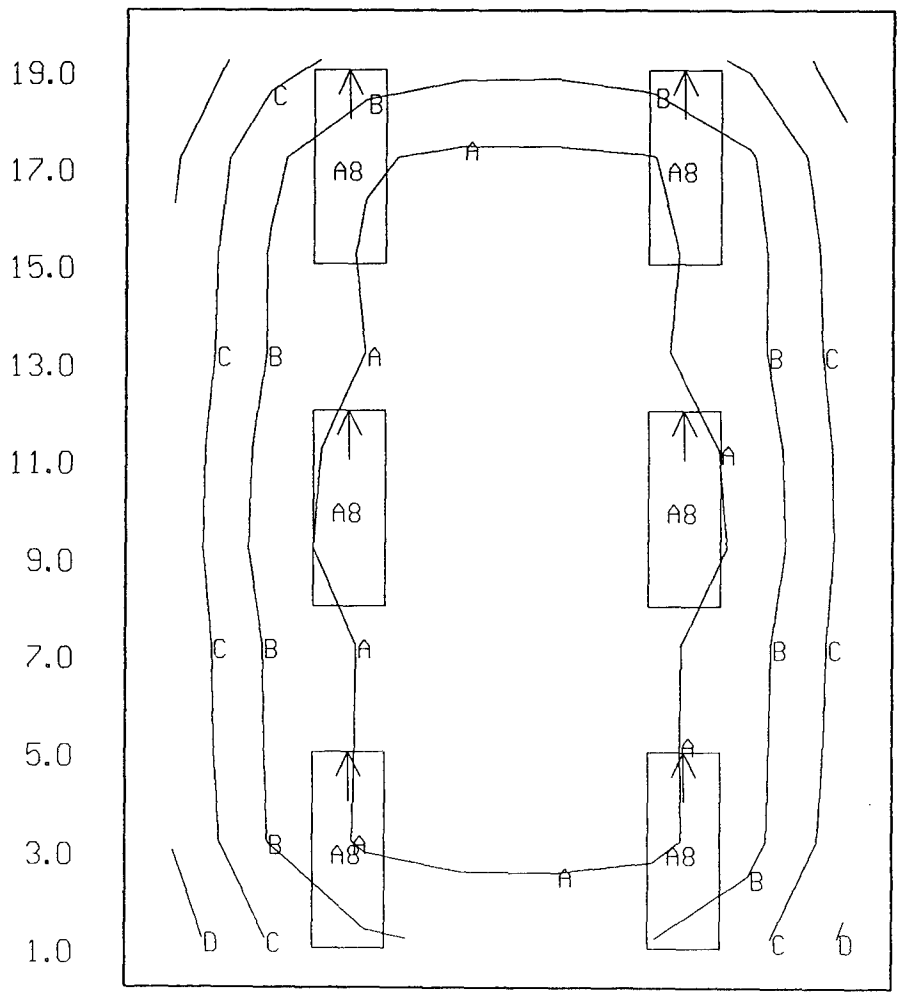
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:40 7-Mar-95
PROJECT: 30-010 AREA: LAB-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=42.3 MAX=89.9 AVE=71.1 AVE/MIN= 1.68 MAX/MIN= 2.12

A8 <6> = K9691 COLUMBIA WPW440-A, (4) F032/35K, LLF= 0.66

Y-AXIS

CONTOUR LEVELS: A= 80.0 B= 70.0 C= 60.0 D= 50.0 E= 40.0



1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0

X-AXIS

Bldg 31-080 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
L2	72	3	216
L4	144	21	3,024
Totals		24	3,240

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
L8	110	10	1,100
R2	61	11	671
W8	59	3	177
Totals		24	1,948

31-080 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 31-080 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA Lighting Survey - Bldg 31-080	Project #6941331
Prepared for: Corps of Engineers	Date: 9-Feb-95
Prepared by: C. Warren	UPD: 1.9W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
L2	10"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WC240-A	F40CW/RS/WM ESB	000 - 72	3	
L4	2'X4' 4L FLUSH STATIC TROFFER HOLOPHANE #8224 LESS OVERLAY COLUMBIA 4PS2*-70-244	F40CW/RS/WM ESB	000 - 144	21	

NOTES:

31-080 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 31-080 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA Lighting Survey - Bldg 31-080	Project #6941331
Prepared for: Corps of Engineers	Date: 8-Mar-95
Prepared by: C. Warren	UPD: 1.1W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
L8	2'X4' 4L FLUSH STATIC TROFFER HOLOPHANE #8224 LESS OVERLAY COLUMBIA 4PS2*-70-244	FO32/35K EOCT	000 - 110	10	
[illegible]2	2X4 2L STATIC GRID TROFFER LENS- .125" THK PRISMATIC A12 COLUMBIA 2J240-EXA.125-EOCT	FO32/35K EOCT	000 - 61	11	
W8	10"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WC240-A	FO32/35K EOCT	000 - 59	3	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 31-080 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 31-080	Project #6941331
Prepared for: Corps of Engineers	Date: 8-Mar-95
Prepared by: C. Warren	UPD: 1.5W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
FOYER	12x20x8Ft	(1) Type L2 (1) Type L4	0.9	1
FOYER-N	12x20x8Ft	(1) Type R2 (1) Type W8	0.5	1
EAKROOM	10x12x8Ft	(2) Type L4	2.4	1
BREAKROOM-N	10x12x8Ft	(2) Type R2	1.0	1
TOILETS	10x20x8Ft	(2) Type L2	0.7	1
TOILETS-N	10x20x8Ft	(2) Type W8	0.6	1
TMDE SHOP	12x14x8Ft	(2) Type L4	1.7	1
TMDE SHOP-N	12x14x8Ft	(2) Type L8	1.3	1
LABORATORY	34x20x8Ft	(10) Type L4	2.1	1
LABORATORY-N	34x20x8Ft	(8) Type L8 (2) Type R2	1.5	1
OFFICE	12x11x8Ft	(2) Type L4	2.2	1
OFFICE-N	12x11x8Ft	(2) Type R2	0.9	1
COMPUTER	8x12x8Ft	(2) Type L4	3.0	1
COMPUTER-N	8x12x8Ft	(2) Type R2	1.3	1
ADIAC ROOM	8x12x8Ft	(2) Type L4	3.0	1
RADIAC ROOM-N	8x12x8Ft	(2) Type R2	1.3	1

31-080 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 31-080 Type: Indoor

Project Calculation Summary	
Project name: PBA Lighting Survey - Bldg 31-080	Project #6941331
Prepared for: Corps of Engineers	Date: 8-Mar-95
Prepared by: C. Warren	UPD: 1.5W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
FOYER	12x20x8Ft	Ceiling	<+> 22.2	64.7	0.0
FOYER-N	12x20x8Ft	Ceiling	<+> 16.3	40.0	0.0
BREAKROOM	10x12x8Ft	Ceiling	<+> 59.7	86.2	37.7
BREAKROOM-N	10x12x8Ft	Ceiling	<+> 36.2	54.3	22.6
TOILETS	10x20x8Ft	Ceiling	<+> 13.0	29.1	0.0
TOILETS-N	10x20x8Ft	Ceiling	<+> 13.8	30.9	0.0
TMDE SHOP	12x14x8Ft	Ceiling	<+> 46.6	72.2	22.8
TMDE SHOP-N	12x14x8Ft	Ceiling	<+> 53.3	82.6	26.0
LABORATORY	34x20x8Ft	Ceiling	<+> 65.6	95.8	32.6
LABORATORY-N	34x20x8Ft	Ceiling	<+> 67.7	93.4	35.1
OFFICE	12x11x8Ft	Ceiling	<+> 56.1	82.3	31.0
OFFICE-N	12x11x8Ft	Ceiling	<+> 33.9	52.4	18.1
COMPUTER	8x12x8Ft	Ceiling	<+> 68.2	85.8	50.6
COMPUTER-N	8x12x8Ft	Ceiling	<+> 41.6	53.9	30.7
RADIAC ROOM	8x12x8Ft	Ceiling	<+> 68.2	85.8	50.6
RADIAC ROOM-N	8x12x8Ft	Ceiling	<+> 41.6	53.9	30.7

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:44 8-Feb-95
PROJECT: 31-080 AREA: FOYER GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=64.7 AVE=22.2 AVE/MIN=N/A MAX/MIN=N/A

L2 (1) = KA9513 COLUMBIA WC240-A, (2) F40CW/RS/WM, LLF= 0.68
L4 (1) = 9034 COLUMBIA 4PS2*-70-244, (4) F40CW/RS/WM, LLF= 0.63

Y-AXIS

19.0	5.45	8.73	12.8	15.6	14.9	11.8
17.0	7.87	15.2	24.8	30.8	28.7	20.6
15.0	10.5	22.6	40.2	52.1	47.3	31.4
13.0	0.00	0.00	49.8	64.7	57.9	37.4
11.0	0.35	0.34	45.3	55.9	50.5	33.8
9.0	0.36	0.34	33.4	39.1	35.7	25.5
7.0	0.38	0.35	27.5	31.5	28.7	20.8
5.0	0.40	0.36	27.3	32.6	29.0	20.0
3.0	0.38	0.34	25.9	31.2	27.7	18.9
1.0	0.31	0.28	18.6	22.8	20.9	15.2

L4

L2

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:30 8-Mar-95
PROJECT: 31-080 AREA: FOYER-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=40.0 AVE=16.3 AVE/MIN=N/A MAX/MIN=N/A

R2 <1> = L11261 COLUMBIA 2J240-EXA.125-EOCT, (2) F032/35K, LLF= 0.66
W8 <1> = KA9513 COLUMBIA WC240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

19.0	3.15	4.86	7.59	9.63	9.19	6.82
17.0	4.29	8.87	15.6	18.9	17.9	12.9
15.0	5.92	14.4	25.6	32.1	29.4	20.8
13.0	0.00	0.00	31.6	40.0	36.0	25.2
11.0	0.29	0.28	29.5	35.4	32.3	23.1
9.0	0.29	0.28	23.4	27.0	24.9	17.9
7.0	0.32	0.30	22.4	26.3	23.8	16.4
5.0	0.36	0.32	26.1	31.7	22.7	18.6
3.0	0.35	0.31	26.2	31.8	28.0	18.8
1.0	0.29	0.26	19.1	23.5	21.4	15.4

R2

W8

1.0 3.0 5.0 7.0 9.0 11.0

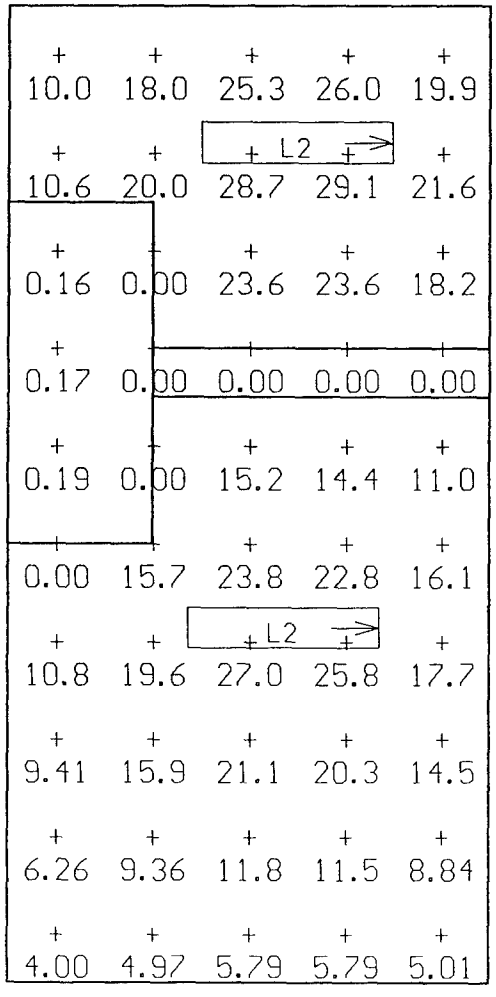
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:51 8-Feb-95
PROJECT: 31-080 AREA: TOILETS GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=29.1 AVE=13.0 AVE/MIN=N/A MAX/MIN=N/A

L2 <2> = KA9513 COLUMBIA WC240-A, (2) F40CW/RS/WM, LLF= 0.68

Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:32 8-Mar-95
PROJECT: 31-080 AREA: TOILETS-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=30.9 AVE=13.8 AVE/MIN=N/A MAX/MIN=N/A

W8 <2> = KA9513 COLUMBIA WC240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

19.0	10.6	19.1	26.8	27.6	21.1
17.0	11.2	21.2	W8 → 30.4	30.9	22.9
15.0	0.17	0.00	25.0	25.1	19.3
13.0	0.18	0.00	0.00	0.00	0.00
11.0	0.20	0.00	16.1	15.3	11.6
9.0	0.00	16.6	25.3	24.2	17.1
7.0	11.4	20.8	W8 → 28.6	27.3	18.8
5.0	9.98	16.8	22.3	21.5	15.3
3.0	6.64	9.93	12.5	12.2	9.37
1.0	4.24	5.27	6.14	6.14	5.32

1.0 3.0 5.0 7.0 9.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:56 9-Feb-95
PROJECT: 31-080 AREA: TMDE SHOP GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.8 MAX=72.2 AVE=46.6 AVE/MIN= 2.05 MAX/MIN= 3.17

L4 (2) = 9034 COLUMBIA 4PS2*-70-244, (4) F40CW/RS/WM, LLF= 0.63

Y-AXIS

13.0	22.8	37.8	51.9	51.9	37.8	22.8
11.0	28.1	49.0	69.0	69.0	49.0	28.1
9.0	30.2	52.2	72.2	72.2	52.2	30.2
7.0	30.5	51.8	69.8	69.8	51.8	30.5
5.0	30.2	52.2	72.2	72.2	52.2	30.2
3.0	28.1	49.0	69.0	69.0	49.0	28.1
1.0	22.8	37.8	51.9	51.9	37.8	22.8

L4

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:35 8-Mar-95
PROJECT: 31-080 AREA: TMDE SHOP-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=26.0 MAX=82.6 AVE=53.3 AVE/MIN= 2.05 MAX/MIN= 3.17

L8 <2> = 9034 COLUMBIA 4PS2*-70-244, (4) F032/35K, LLF= 0.66

Y-AXIS

13.0	26.0	43.3	59.4	59.4	43.3	26.0
11.0	32.2	56.1	79.0	79.0	56.1	32.2
9.0	34.6	59.7	82.6	82.6	59.7	34.6
7.0	34.9	59.3	79.9	79.9	59.3	34.9
5.0	34.6	59.7	82.6	82.6	59.7	34.6
3.0	32.2	56.1	79.0	79.0	56.1	32.2
1.0	26.0	43.3	59.4	59.4	43.3	26.0

L8

1.0 3.0 5.0 7.0 9.0 11.0

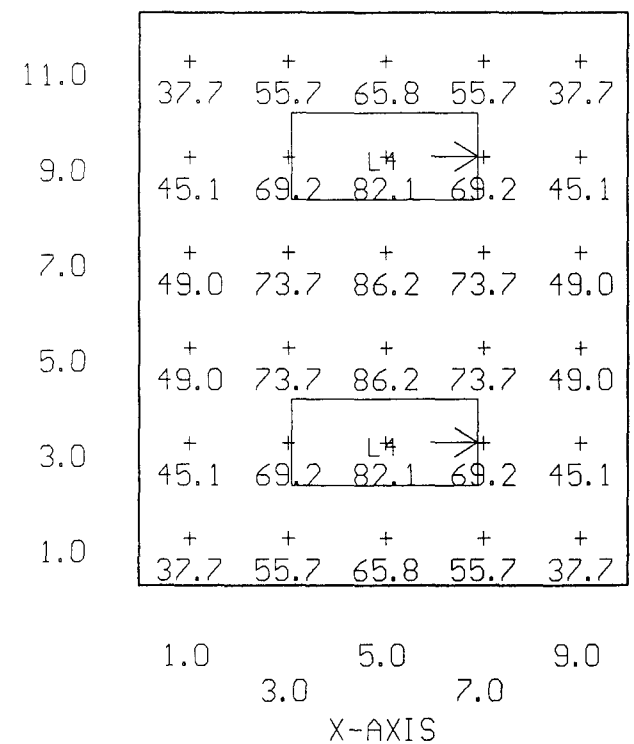
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:48 9-Feb-95
PROJECT: 31-080 AREA: BREAKROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=37.7 MAX=86.2 AVE=59.7 AVE/MIN= 1.58 MAX/MIN= 2.29

L4 <2> = 9034 COLUMBIA 4PS2*-70-244, (4) F40CW/RS/WM, LLF= 0.63

Y-AXIS

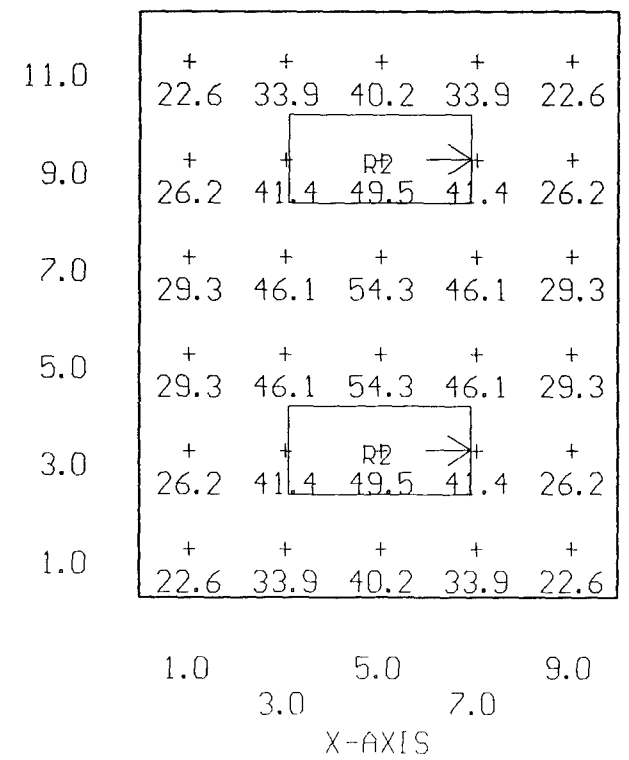


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:37 8-Mar-95
PROJECT: 31-080 AREA: BREAKROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.6 MAX=54.3 AVE=36.2 AVE/MIN= 1.60 MAX/MIN= 2.40

R2 (2) = L11261 COLUMBIA 2J240-EXA.125-EOCT, (2) F032/35K, LLF= 0.66

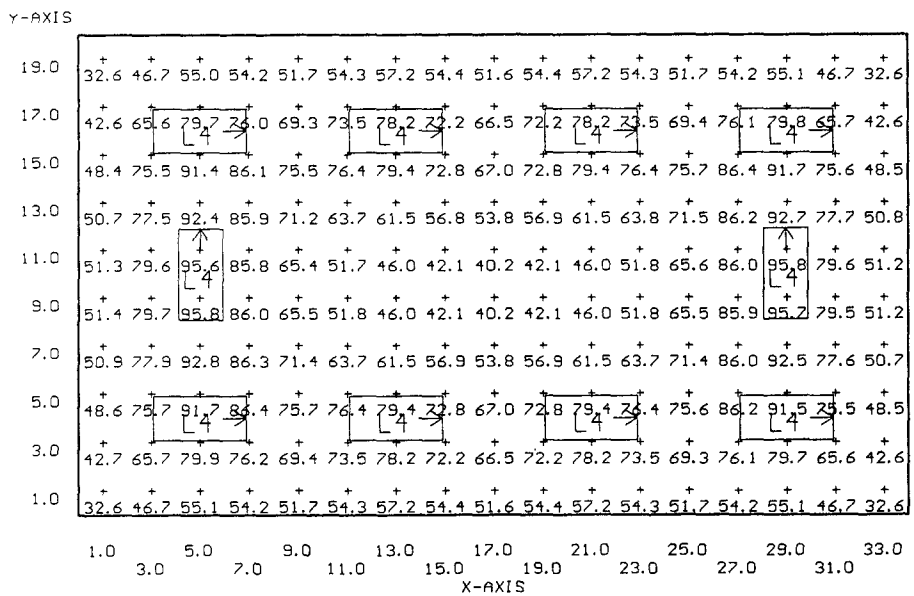
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:05 9-Feb-95
PROJECT: 31-080 AREA: LABORATORY GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=32.6 MAX=95.8 AVE=65.6 AVE/MIN= 2.01 MAX/MIN= 2.94

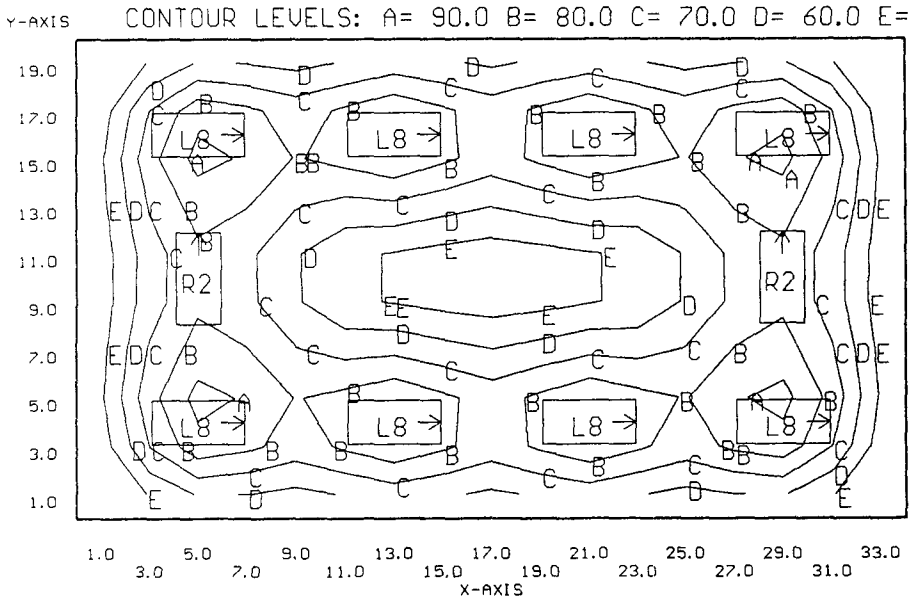
L4 (10) = 9034 COLUMBIA 4PS2*-70-244, (4) F40CW/RS/WM, LLF= 0.63



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:41 8-Mar-95
PROJECT: 31-080 AREA: LABORATORY-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=35.1 MAX=93.4 AVE=67.7 AVE/MIN= 1.93 MAX/MIN= 2.66

L8 (8) = 9034 COLUMBIA 4PS2*-70-244, (4) FO32/35K, LLF= 0.66
R2 (2) = L11261 COLUMBIA 2J240-EXA.125-EOCT, (2) FO32/35K, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:09 9-Feb-95
PROJECT: 31-080 AREA: OFFICE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=31.0 MAX=82.3 AVE=56.1 AVE/MIN= 1.81 MAX/MIN= 2.65

L4 (2) = 9034 COLUMBIA 4PS2*-70-244, (4) F40CW/RS/WM, LLF= 0.63

Y-AXIS

9.5	31.0	51.8	72.7	72.7	51.8	31.0
7.5	34.8	59.1	82.0	82.0	59.1	34.8
5.5	36.1	60.8	82.3	82.3	60.8	36.1
3.5	34.8	59.1	82.0	82.0	59.1	34.8
1.5	31.0	51.8	72.7	72.7	51.8	31.0

L4 L4

1.0 3.0 5.0 7.0 9.0 11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:43 8-Mar-95
PROJECT: 31-080 AREA: OFFICE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.1 MAX=52.4 AVE=33.9 AVE/MIN= 1.87 MAX/MIN= 2.89

R2 (2) = L11261 COLUMBIA 2J240-EXA.125-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS

9.5	18.1	30.9	43.8	43.8	30.9	18.1
7.5	20.0	35.4	49.8	49.8	35.4	20.0
5.5	21.2	38.4	52.4	52.4	38.4	21.2
3.5	20.0	35.4	49.8	49.8	35.4	20.0
1.5	18.1	30.9	43.8	43.8	30.9	18.1

R2 (43.8, 43.8) → (49.8, 49.8)

1.0 3.0 5.0 7.0 9.0 11.0

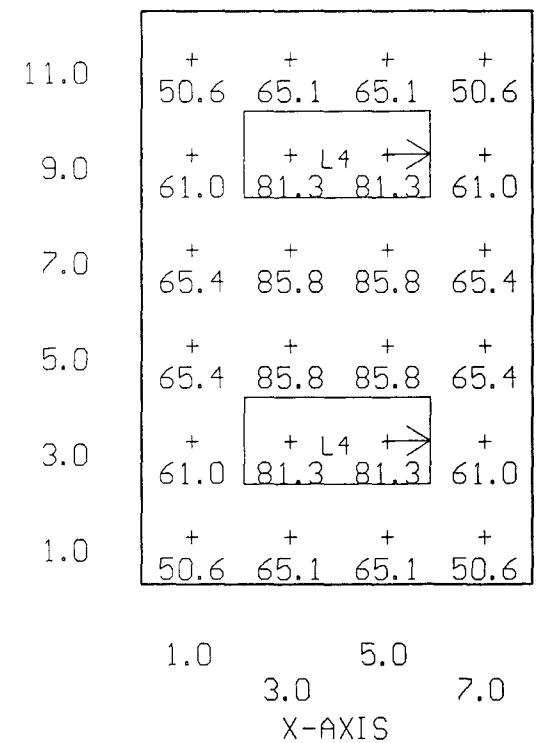
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:19 9-Feb-95
PROJECT: 31-080 AREA: COMPUTER GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=50.6 MAX=85.8 AVE=68.2 AVE/MIN= 1.35 MAX/MIN= 1.70

L4 (2) = 9034 COLUMBIA 4PS2*-70-244, (4) F40CW/RS/WM, LLF= 0.63

Y-AXIS

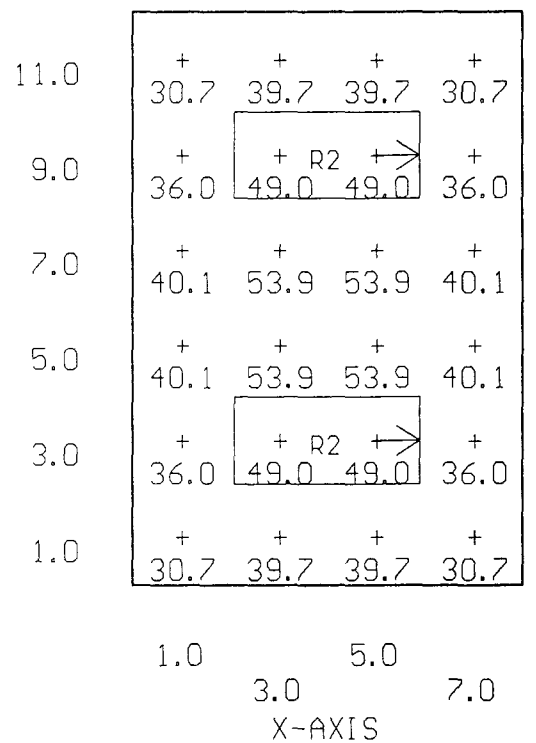


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:45 8-Mar-95
PROJECT: 31-080 AREA: COMPUTER-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=30.7 MAX=53.9 AVE=41.6 AVE/MIN= 1.35 MAX/MIN= 1.75

R2 <2> = L11261 COLUMBIA 2J240-EXA.125-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:21 9-Feb-95
PROJECT: 31-080 AREA: RADIAC ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=50.6 MAX=85.8 AVE=68.2 AVE/MIN= 1.35 MAX/MIN= 1.70

L4 (2) = 9034 COLUMBIA 4PS2*-70-244, (4) F40CW/RS/WM, LLF= 0.63

Y-AXIS

11.0	50.6	65.1	65.1	50.6
9.0	61.0	L4 → 81.3	81.3	61.0
7.0	65.4	85.8	85.8	65.4
5.0	65.4	85.8	85.8	65.4
3.0	61.0	L4 → 81.3	81.3	61.0
1.0	50.6	65.1	65.1	50.6

1.0 3.0 5.0 7.0

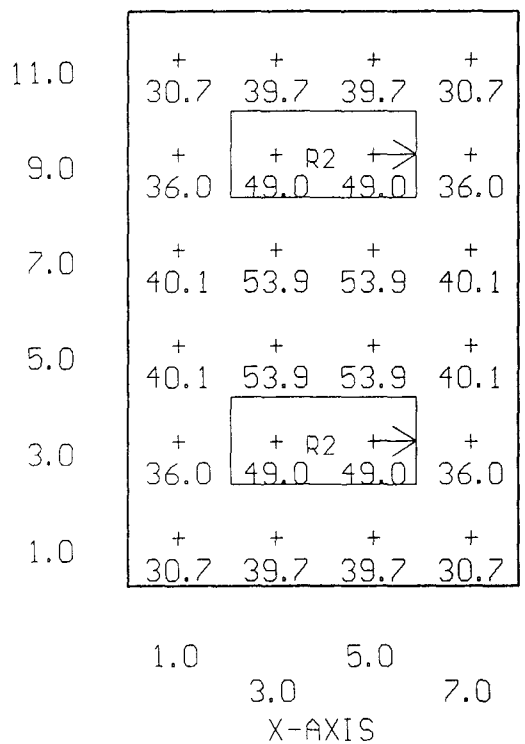
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:46 8-Mar-95
PROJECT: 31-080 AREA: RADIAC ROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=30.7 MAX=53.9 AVE=41.6 AVE/MIN= 1.35 MAX/MIN= 1.75

R2 (2) = L11261 COLUMBIA 2J240-EXA.125-EOCT, (2) F032/35K, LLF= 0.66

Y-AXIS



Bldg 32-030 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	195	15	2,925
B	82	4	328
Totals		19	3,253

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
I8	105	22	2,310
B8	59	4	236
Totals		26	2,546

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-030 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA Lighting Survey - Bldg 32-030	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 6-Feb-95
Prepared by: R. SHARMA	UPD: 0.6W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	SC = 1.7 INDUSTRIAL REFLECTOR GE LIGHTING SBI15S	LU-150/MED STD	000 - 195	15	
B	11"X4' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	F40CW ESB	000 - 82	4	

NOTES:

32-030 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-030 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA Lighting Survey - Bldg 32-030	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 0.5W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
B8	11"X4' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	FO32/35K EOCT	000 - 59	4	
F8	11"X8' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296	FO96/735 EOCT	000 - 105	22	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-030 Type: Indoor

Project Area Summary	
Project name: PBA Lighting Survey - Bldg 32-030	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 0.5W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
GARAGE	148x34x20Ft	(15) Type A1	0.6	1
GARAGE-N	148x34x20Ft	(22) Type I8	0.5	1
OFFICE	13x21x8Ft	(4) Type B	1.2	1
OFFICE-N	13x21x8Ft	(4) Type B8	0.9	1

NOTES:

32-030 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-030 Type: Indoor

Project Calculation Summary	
Project name: PBA Lighting Survey - Bldg 32-030	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 0.5W/Sq.Ft

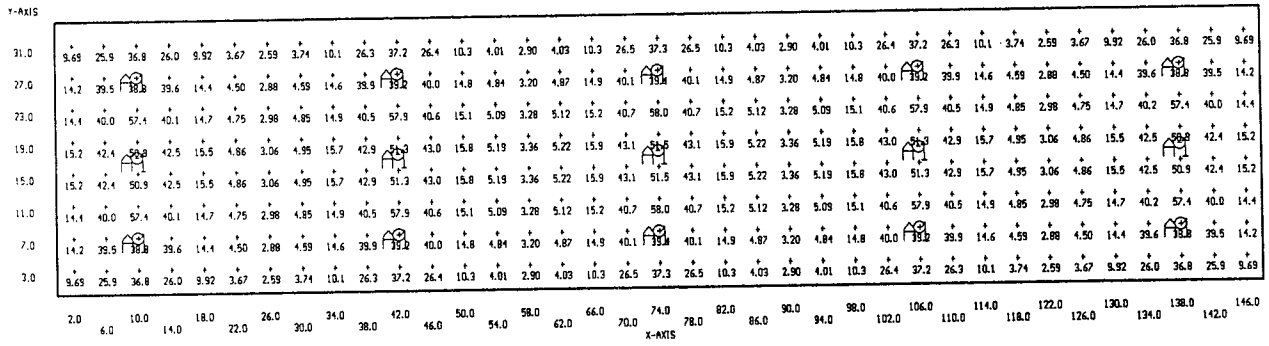
AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
GARAGE	148x34x20Ft	GRID	<+> 21.4	58.0	2.6
GARAGE-N	148x34x20Ft	GRID	<+> 28.5	41.5	14.2
OFFICE	13x21x8Ft	GRID	<+> 39.2	60.5	12.3
OFFICE-N	13x21x8Ft	GRID	<+> 35.0	54.0	11.0

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:17 6-Feb-95
PROJECT: 32-030 AREA: GARAGE GRID: GRID
Values are FC, SCALE: 1 IN= 24.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.59 MAX=58.0 AVE=21.4 AVE/MIN= 8.26 MAX/MIN= 22.40

A1 <15> = GE7146 GE LIGHTING SBI15S, (1) LU-150/MED, LLF= 0.79

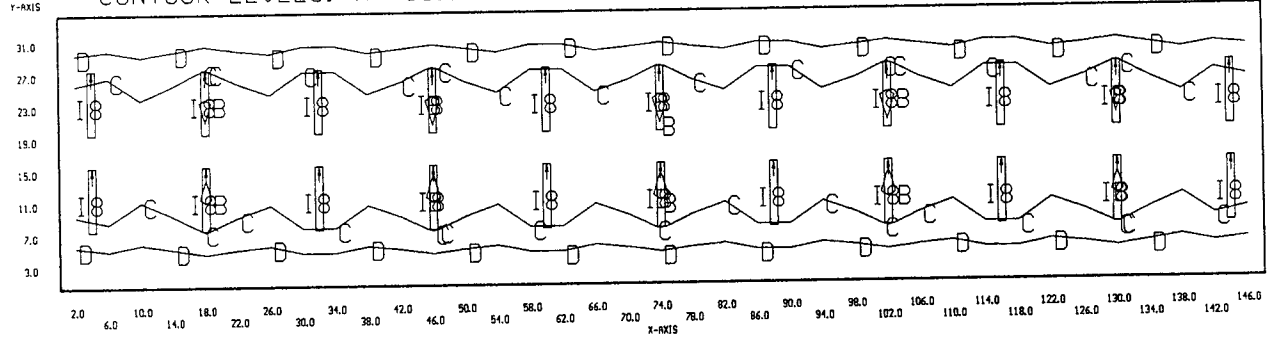


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:08 9-Mar-95
PROJECT: 32-030 AREA: GARAGE-N GRID: GRID
Values are FC, SCALE: 1 IN= 24.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.2 MAX=41.5 AVE=28.5 AVE/MIN= 2.02 MAX/MIN= 2.93

I8 (22) = K7993 COLUMBIA CSR296, (2) F096/735, LLF= 0.66

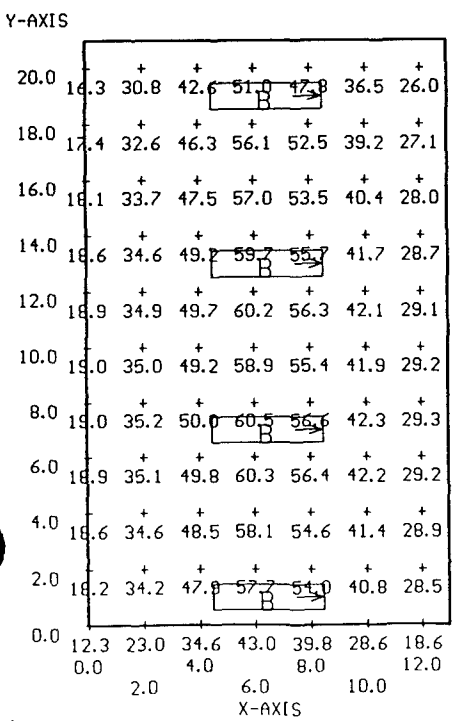
CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:08 26-Jan-95
PROJECT: 32-030 AREA: OFFICE GRID: GRID
'alues are FC, SCALE: 1 IN= 7.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
,omputed in accordance with IES recommendations

+ MIN=12.3 MAX=60.5 AVE=39.2 AVE/MIN= 3.18 MAX/MIN= 4.91

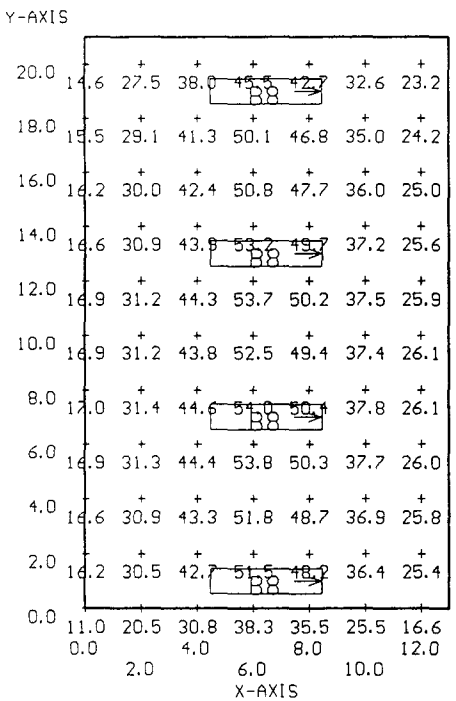
B <4> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 19:59 8-Mar-95
PROJECT: 32-030 AREA: OFFICE-N GRID: GRID
Values are FC, SCALE: 1 IN= 7.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.0 MAX=54.0 AVE=35.0 AVE/MIN= 3.18 MAX/MIN= 4.91

B8 (4) = K7990 COLUMBIA CSR240, (2) F032/35K, LLF= 0.66



Bldg 32-035 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
L2	82	252	20,664
Totals		252	20,664

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
L8	59	252	14,868
Totals		252	14,868

32-035 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-035 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA Lighting Survey - Bldg 32-035		Project #6941331
Prepared for: CORP OF ENGINEERS		Date: 10-Feb-95
Prepared by: R. SHARMA		UPD: 1.2W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
L2	11"X4' 2L APERTURED INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-A	F40CW ESB	000 - 82	252	

NOTES:

32-035 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-035 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA Lighting Survey - Bldg 32-035	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 0.9W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
L8	11"X4' 2L APERTURED INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-A	FO32/35K EOCT	000 - 59	252	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-035 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 32-035	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 1.1W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
MOTOR POOL	225x75x20Ft	(252) Type L2	1.2	1
MOTOR POOL-N	225x75x20Ft	(252) Type L8	0.9	1

NOTES:

32-035 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-035 Type: Indoor

Project Calculation Summary	
Project name: PBA Lighting Survey - Bldg 32-035	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 1.1W/Sq.Ft

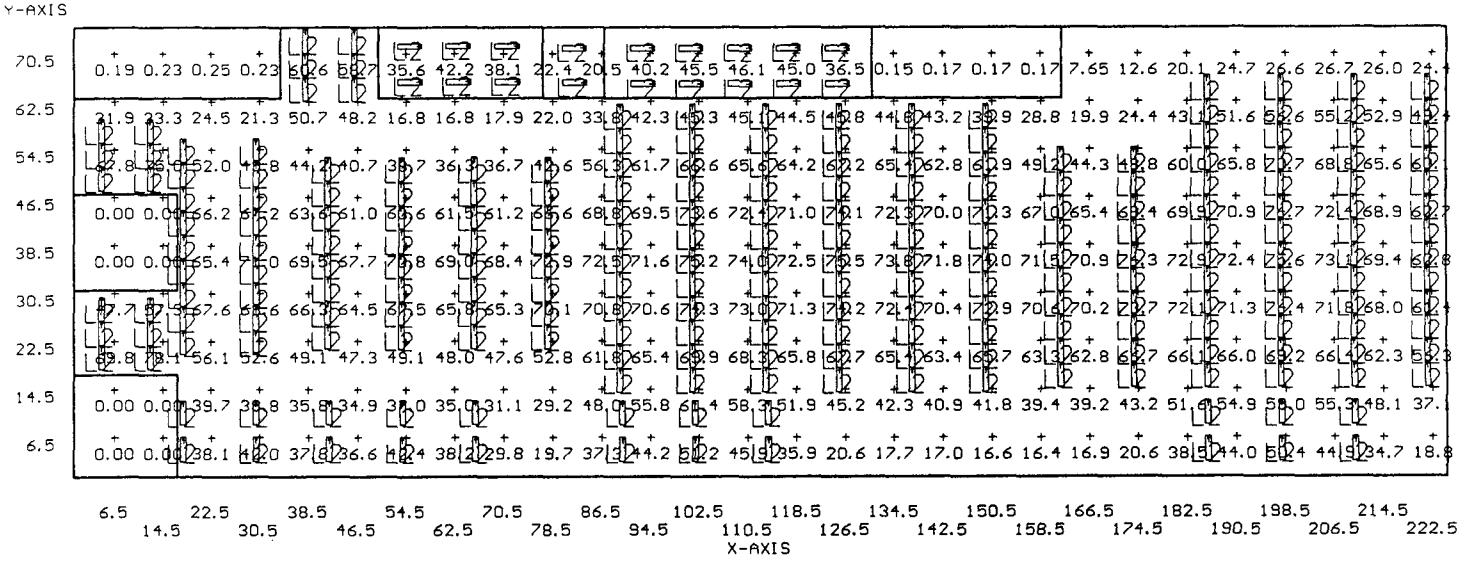
AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
MOTOR POOL	225x75x20Ft	Ceiling	<+> 50.0	78.1	0.0
MOTOR POOL-N	225x75x20Ft	Ceiling	<+> 44.6	69.7	0.0

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:27 10-Feb-95
PROJECT: 32-035 AREA: MOTOR POOL GRID: Ceiling
Values are FC, SCALE: 1 IN= 32.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=78.1 AVE=50.0 AVE/MIN=N/A MAX/MIN=N/A

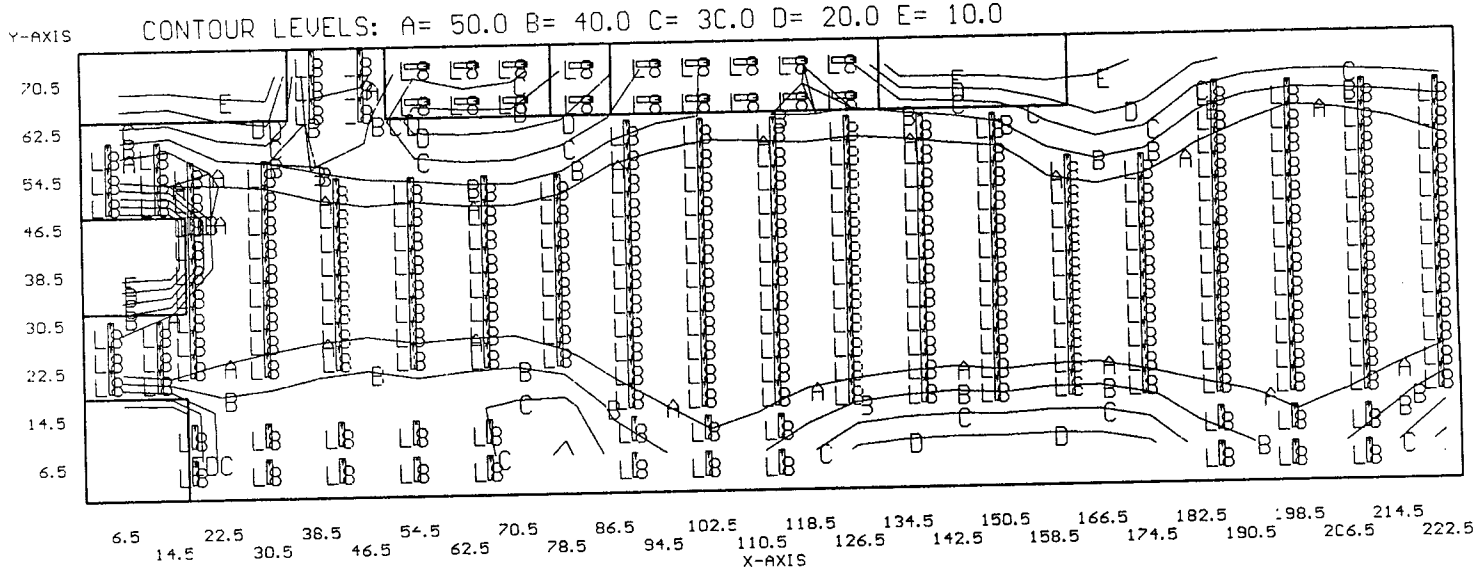
L2 <252> = 7991 COLUMBIA CSR240-A, (2) F40CW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 20:34 8-Mar-95
PROJECT: 32-035 AREA: MOTOR POOL-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 32.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00 MAX=69.7 AVE=44.6 AVE/MIN=N/A MAX/MIN=N/A

L8 (252) = 7991 COLUMBIA CSR240-A, (2) FO32/35K, LLF= 0.66



Bldg 32-060 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	158	6	948
B1	136	3	408
D	100	1	100
Totals		10	1,456

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	105	6	630
B8	91	3	273
D	100	1	100
Totals		10	1,003

32-060 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-060 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA Lighting Survey - Bldg 32-060	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 6-Feb-95
Prepared by: R. SHARMA	UPD: 0.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	4"X8'2L EMBOSSED SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CS296	F96T12/CW ESB	000 - 158	6	
B1	1X4 3L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL340-SOLID	F40CW ESB	000 - 136	3	
D	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	100A19/IF NA	000 - 100	1	

NOTES:

32-060 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-060 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA Lighting Survey - Bldg 32-060	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 0.2W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	4"X8'2L EMBOSSED SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CS296	FO96/735 EOCT	000 - 105	6	
B	1X4 3L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL340-SOLID	FO32/35K EOCT	000 - 91	3	
D	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	100A19/IF NA	000 - 100	1	

NOTES:

32-060 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-060 Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Bldg 32-060	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 0.3W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
COMPRESSOR ROOM	33x48x25Ft	GRID	<+> 19.3	36.7	5.4
COMPRESSOR RM-N	33x48x25Ft	GRID	<+> 17.1	32.6	4.8
BOILER ROOM	54x60x25Ft	grid	<+> 3.2	13.8	0.2
BOILER ROOM-N	54x60x25Ft	grid	<+> 3.0	13.5	0.2

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-060 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 32-060	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 0.3W/Sq.Ft

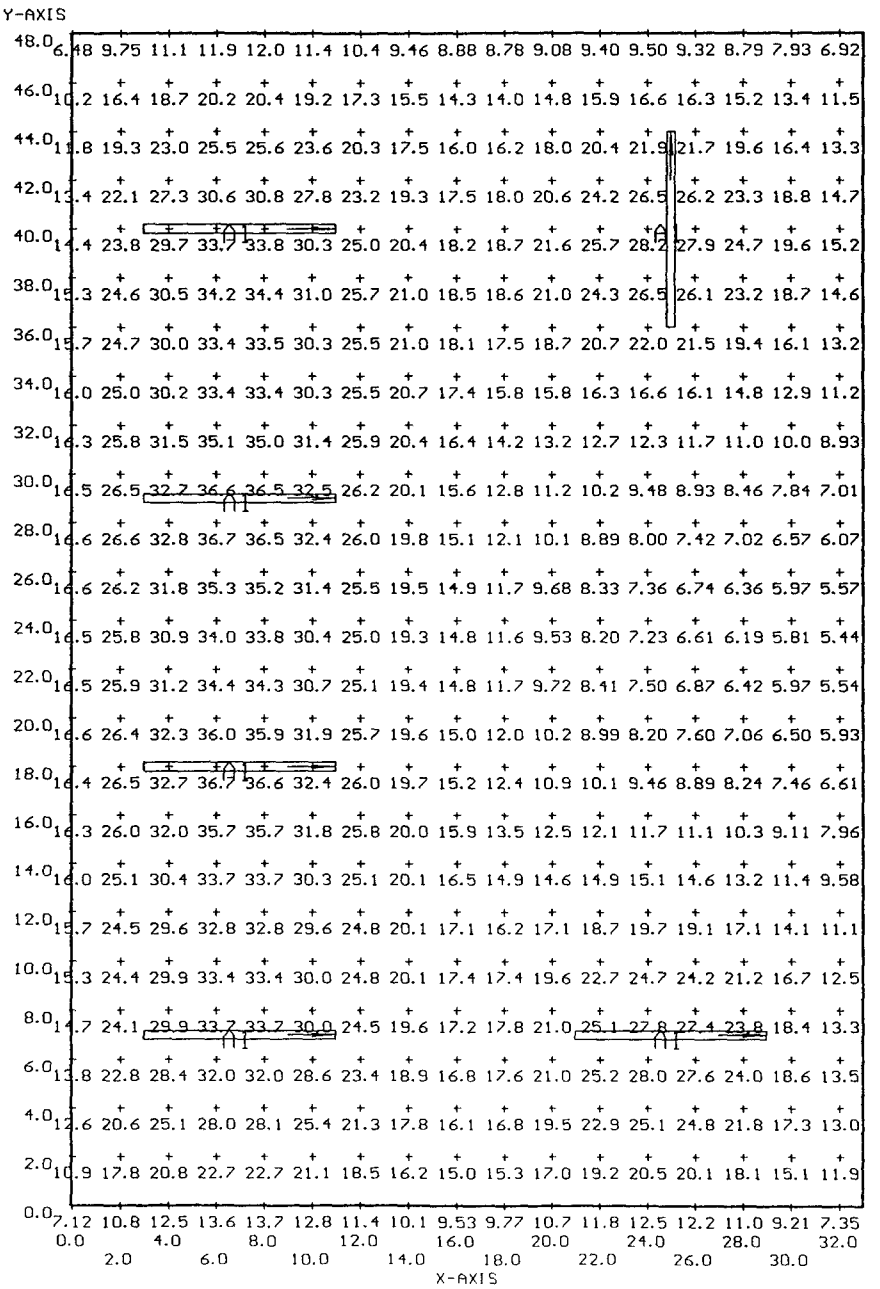
AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
COMPRESSOR ROOM	33x48x25Ft	(6) Type A1	0.6	1
COMPRESSOR RM-N	33x48x25Ft	(6) Type A8	0.4	1
BOILER ROOM	54x60x25Ft	(3) Type B1 (1) Type D	0.2	1
BOILER ROOM-N	54x60x25Ft	(3) Type B8 (1) Type D	0.1	1

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:51 6-Feb-95
PROJECT: 32-060 AREA: COMPRESSOR ROOM GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.44 MAX=36.7 AVE=19.3 AVE/MIN= 3.55 MAX/MIN= 6.75

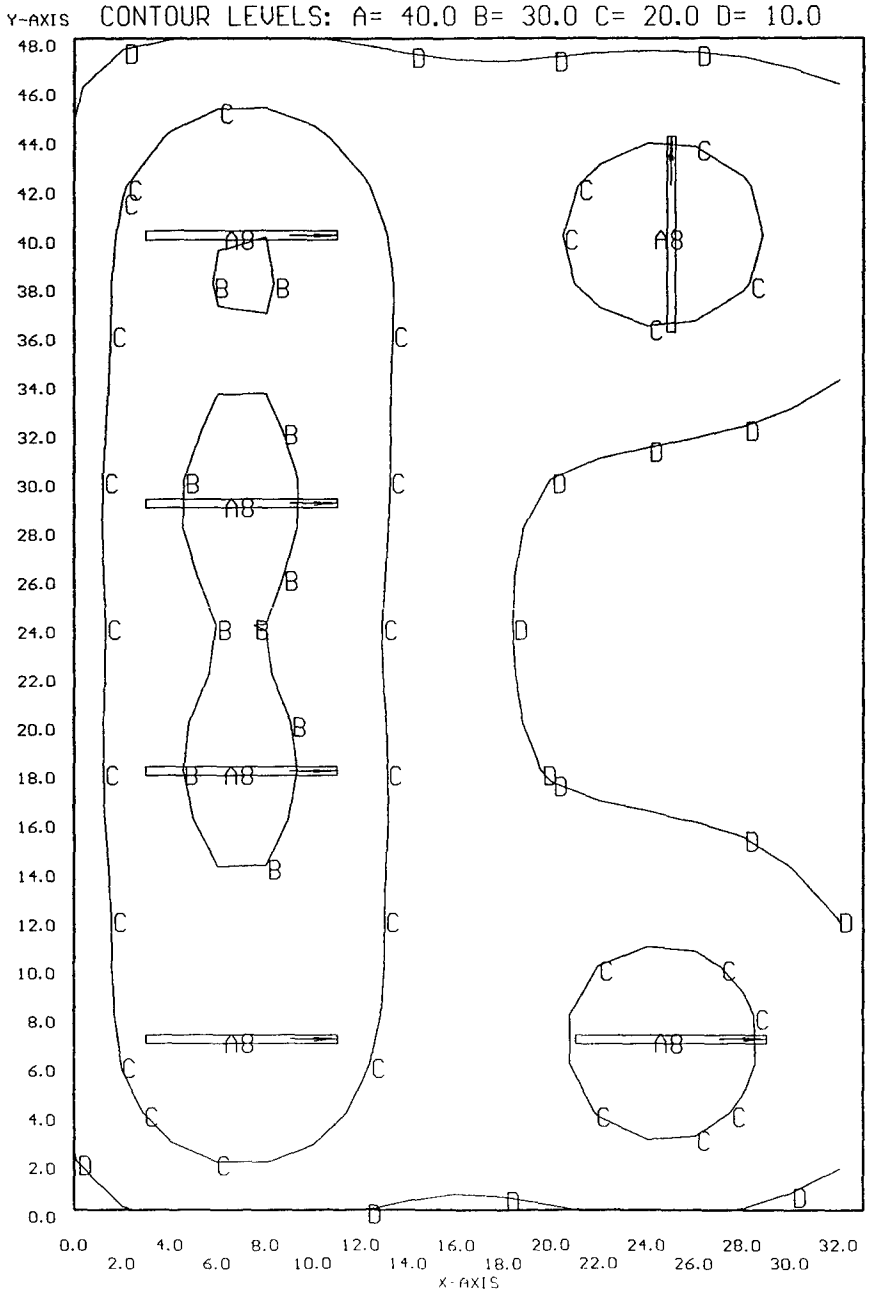
A1 <6> = K7994 COLUMBIA CS296, (2) F96T12/CW, LLF= 0.72



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 20:52 8-Mar-95
PROJECT: 32-060 AREA: COMPRESSOR RM-N GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.82 MAX=32.6 AVE=17.1 AVE/MIN= 3.55 MAX/MIN= 6.75

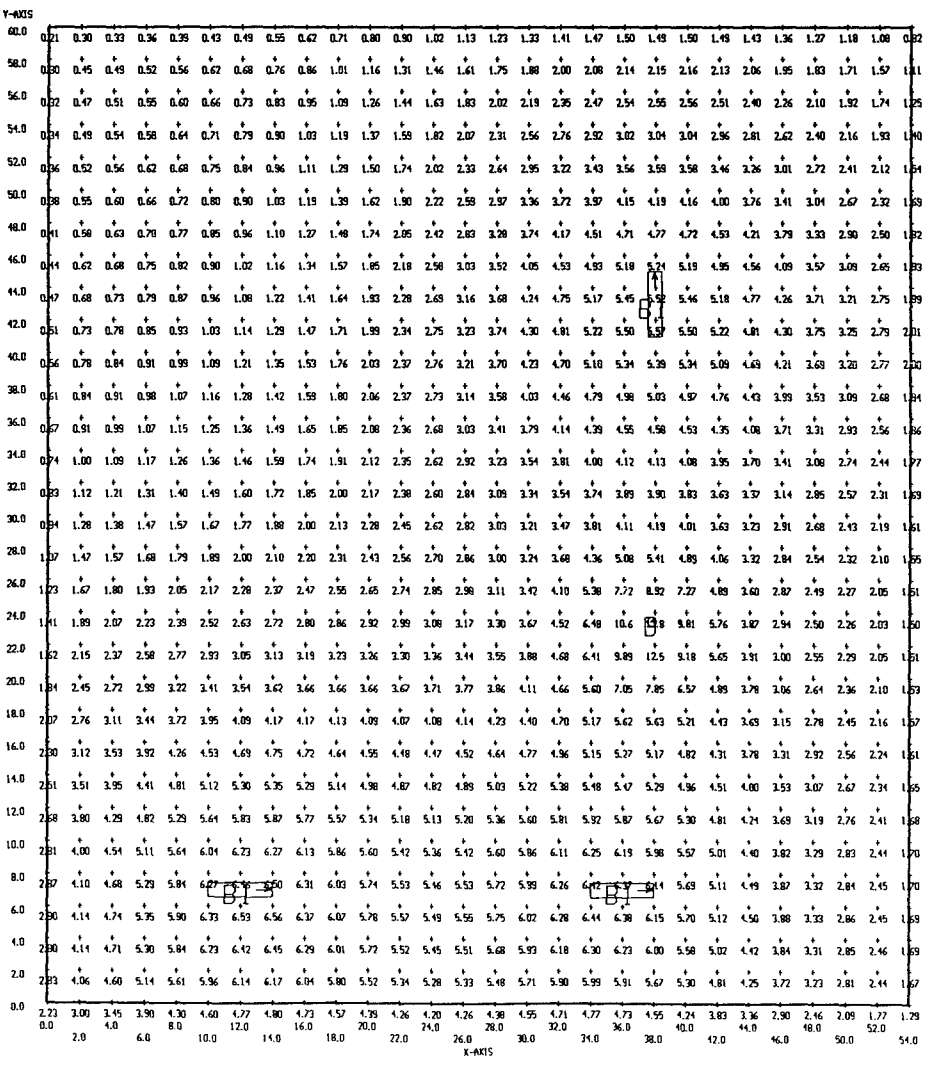
A8 (6) = K7994 COLUMBIA CS296, (2) F096/735, LLF= 0.70



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:56 6-Feb-95
PROJECT: 32-060 AREA: BOILER ROOM GRID: grid
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.21 MAX=13.8 AVE=3.25 AVE/MIN= 14.89 MAX/MIN= 63.16

B1 <3> = 10366 COLUMBIA KL340-SOLID, (3) F40CW, LLF= 0.68
D <1> = B1401C PRESCOLITE PBX-TB12, (1) 100A19/IF, LLF= 0.76

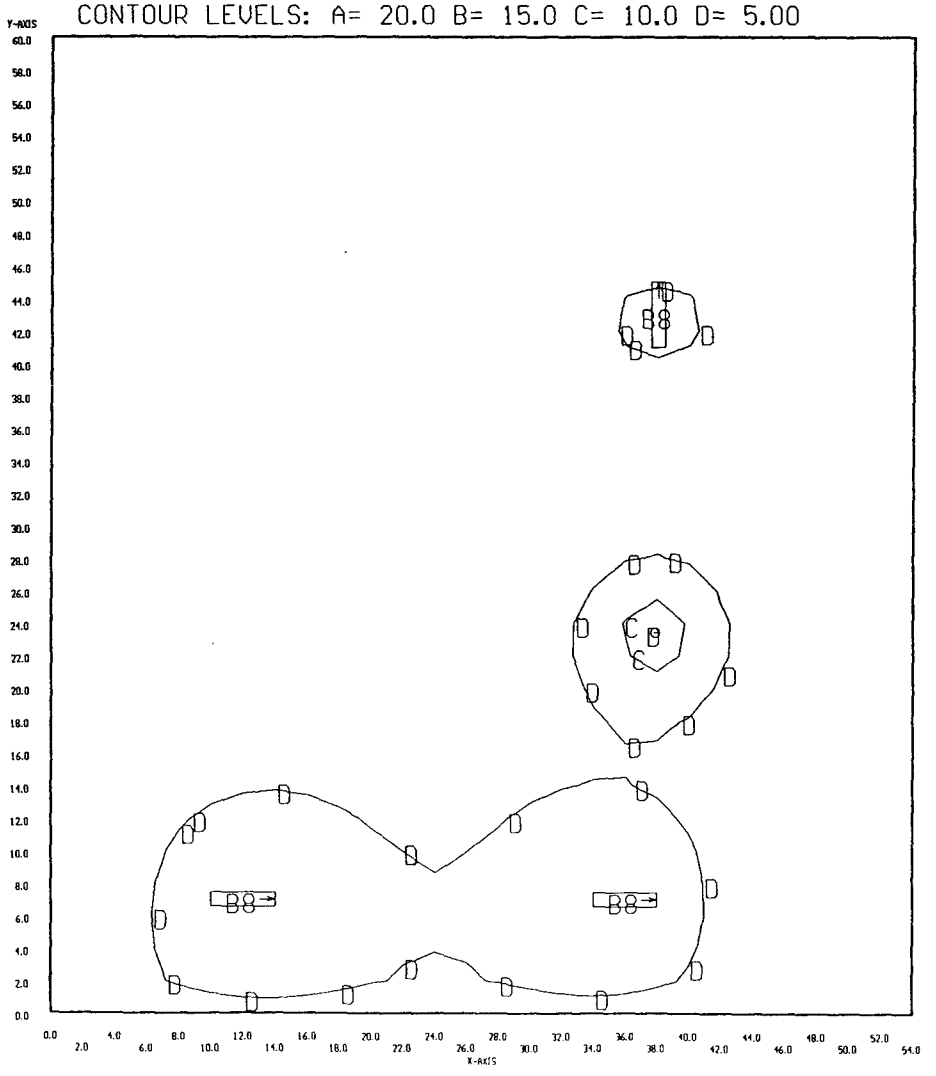


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 20:57 8-Mar-95
PROJECT: 32-060 AREA: BOILER ROOM-N GRID: grid
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.20 MAX=13.5 AVE=3.00 AVE/MIN= 14.94 MAX/MIN= 67.27

B8 (3) = 10366 COLUMBIA KL340-SOLID, (3) F032/35K, LLF= 0.66
D (1) = B1401C PRESCOLITE PBX-TB12, (1) 100A19/IF, LLF= 0.76

CONTOUR LEVELS: A= 20.0 B= 15.0 C= 10.0 D= 5.00



Bldg 32-070 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A	140	101	14,140
C	163	3	489
Totals		104	14,629

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	105	100	10,500
C8	110	3	330
Totals		103	10,830

32-070 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-070 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA LIGHTING SURVEY - BLDG 32-070	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 1.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A	11"X8'2L SOLID REFL.INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296-PG	F96T12/CW/WM STD	000 - 140	101	
	2X4 4L FLUSH STATIC TROFFER LENS- .125" POLARIZED PATT.12 COLUMBIA 4PS2*-87-244	F40CW ESB	000 - 163	3	

NOTES:

32-070 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-070 Type: Indoor

Luminaire Fixture Schedule

Project name: PBA LIGHTING SURVEY - BLDG 32-070	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 1.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	11"X8'2L SOLID REFL.INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296-PG	FO96/735 EOCT	000 - 105	100	
C8	2X4 4L FLUSH STATIC TROFFER LENS- .125" POLARIZED PATT.12 COLUMBIA 4PS2*-87-244	FO32/35K ESB	000 - 110	3	

NOTES:

32-070 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-070 Type: Indoor

Project Calculation Summary

Project name: PBA LIGHTING SURVEY - BLDG 32-070	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 1.1W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
LAUNDRY	97x50x12Ft	GRID	<+> 56.9	74.0	14.4
LAUNDRY-N	97x50x12Ft	GRID	<+> 55.9	72.6	14.1
FOLDING	100x50x12Ft	Ceiling	<+> 47.1	91.7	6.8
FOLDING-N	100x50x12Ft	Ceiling	<+> 46.2	90.0	6.6
BREAK ROOM	19x12x8Ft	GRID	<+> 62.8	89.1	34.6
BREAK ROOM-N	19x12x8Ft	GRID	<+> 40.0	54.3	25.8
RESTROOMS	19x12x8Ft	GRID	<+> 19.7	46.6	4.0
RESTROOMS-N	19x12x8Ft	GRID	<+> 19.3	45.8	3.9
OFFICE	45x12x8Ft	GRID	<+> 25.3	62.7	6.2
OFFICE-N	45x12x8Ft	GRID	<+> 23.4	57.8	5.7

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-070 Type: Indoor

Project Area Summary

Project name: PBA LIGHTING SURVEY - BLDG 32-070	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 8-Mar-95
Prepared by: R. SHARMA	UPD: 1.1W/Sq.Ft

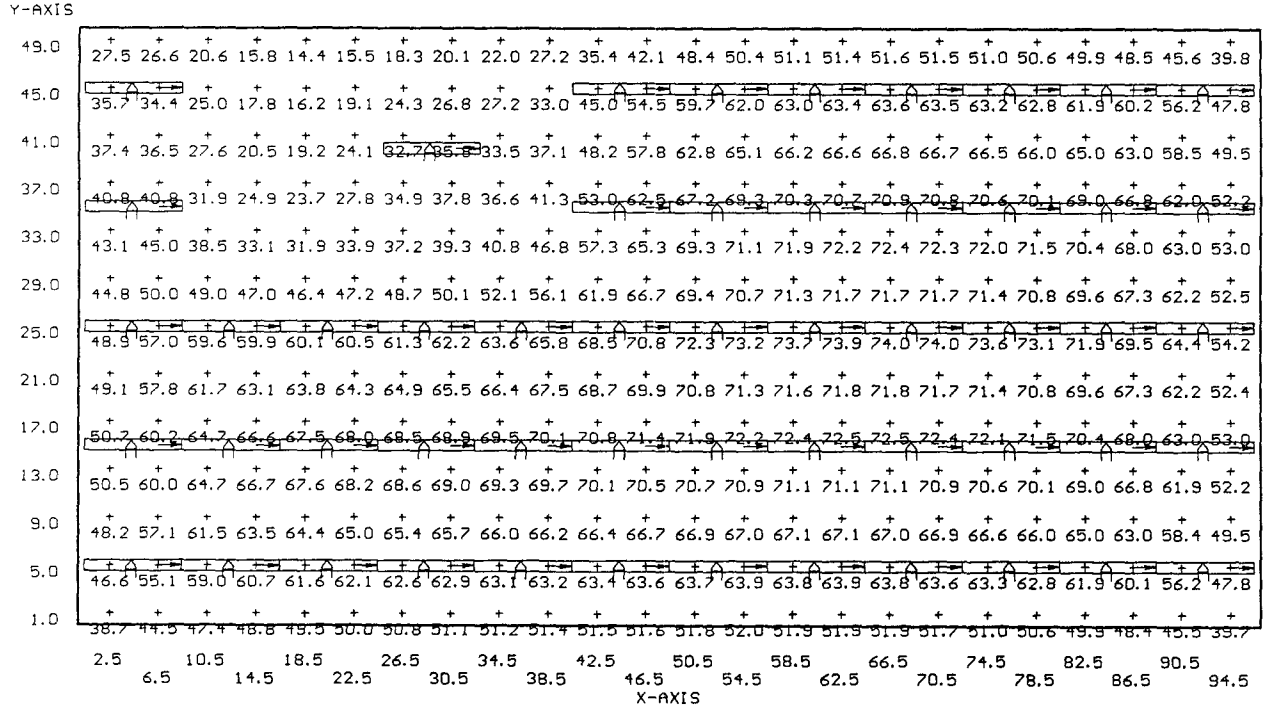
AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
LAUNDRY	97x50x12Ft	(53) Type A	1.5	1
LAUNDRY-N	97x50x12Ft	(53) Type A8	1.1	1
FOLDING	100x50x12Ft	(43) Type A	1.2	1
LDING-N	100x50x12Ft	(43) Type A8	0.9	1
BREAK ROOM	19x12x8Ft	(3) Type A	1.8	1
BREAK ROOM-N	19x12x8Ft	(2) Type A8	0.9	1
RESTROOMS	19x12x8Ft	(1) Type A	0.6	2
RESTROOMS-N	19x12x8Ft	(1) Type A8	0.5	2
OFFICE	45x12x8Ft	(3) Type C	0.9	1
OFFICE-N	45x12x8Ft	(3) Type C8	0.6	1

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:55 4-Feb-95
PROJECT: 32-070 AREA: LAUNDRY GRID: GRID
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.4 MAX=74.0 AVE=56.9 AVE/MIN= 3.95 MAX/MIN= 5.13

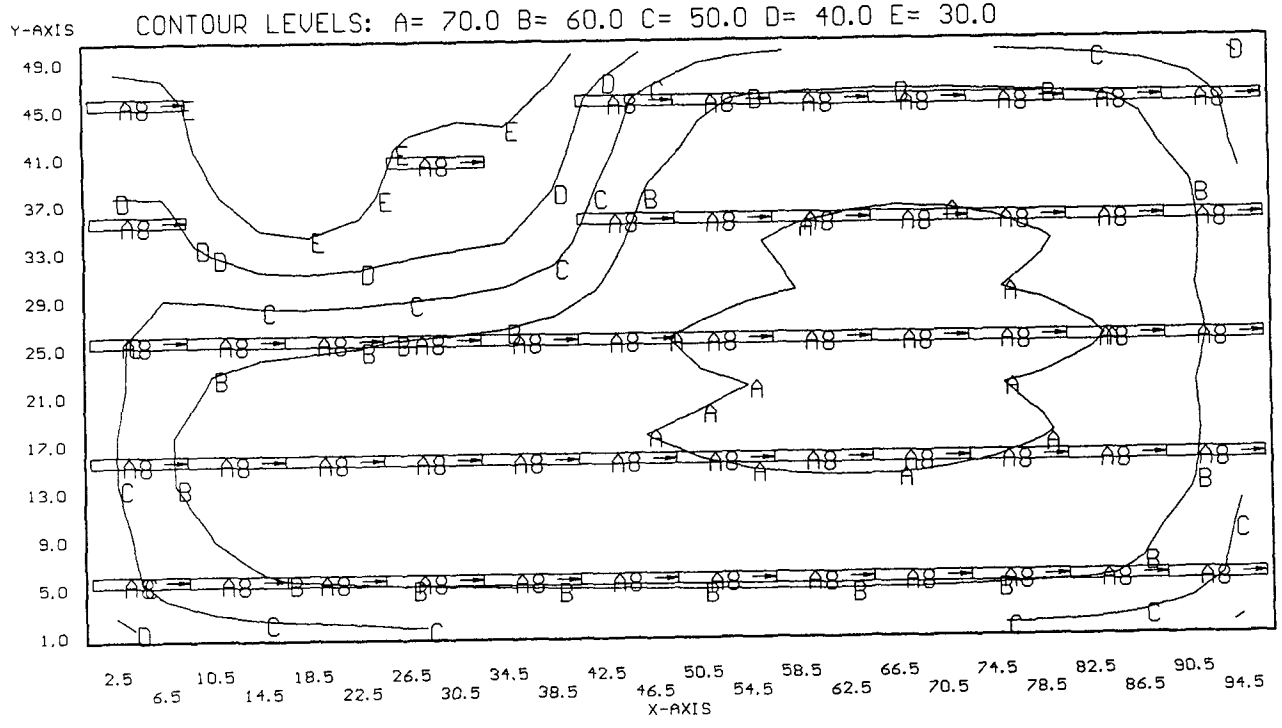
A <53> = K7996 COLUMBIA CSR296-PG, (2) F96T12/CW/WM, LLF= 0.69



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 21:20 8-Mar-95
PROJECT: 32-070 AREA: LAUNDRY-N GRID: GRID
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.1 MAX=72.6 AVE=55.9 AVE/MIN= 3.95 MAX/MIN= 5.13

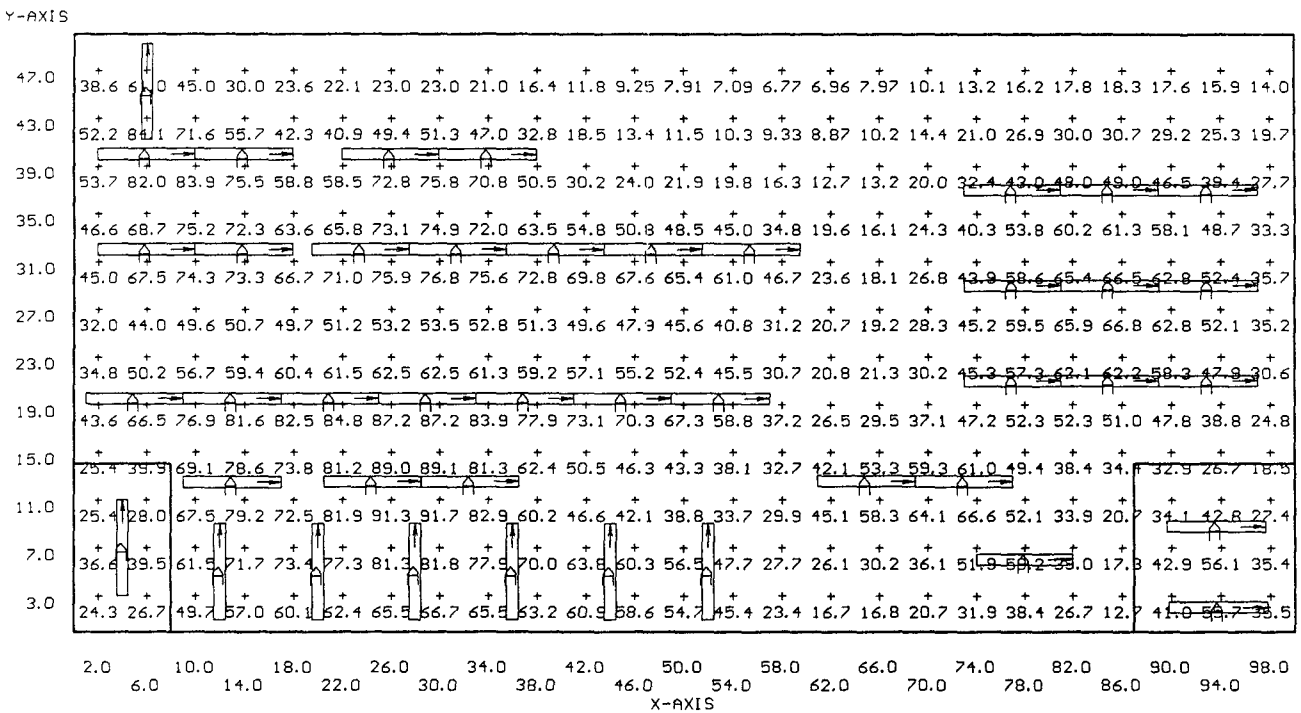
A8 <53> = K7996 COLUMBIA CSR296-PG, (2) F096/735, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:21 6-Feb-95
PROJECT: 32-070 AREA: FOLDING GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.77 MAX=91.7 AVE=47.1 AVE/MIN= 6.96 MAX/MIN= 13.54

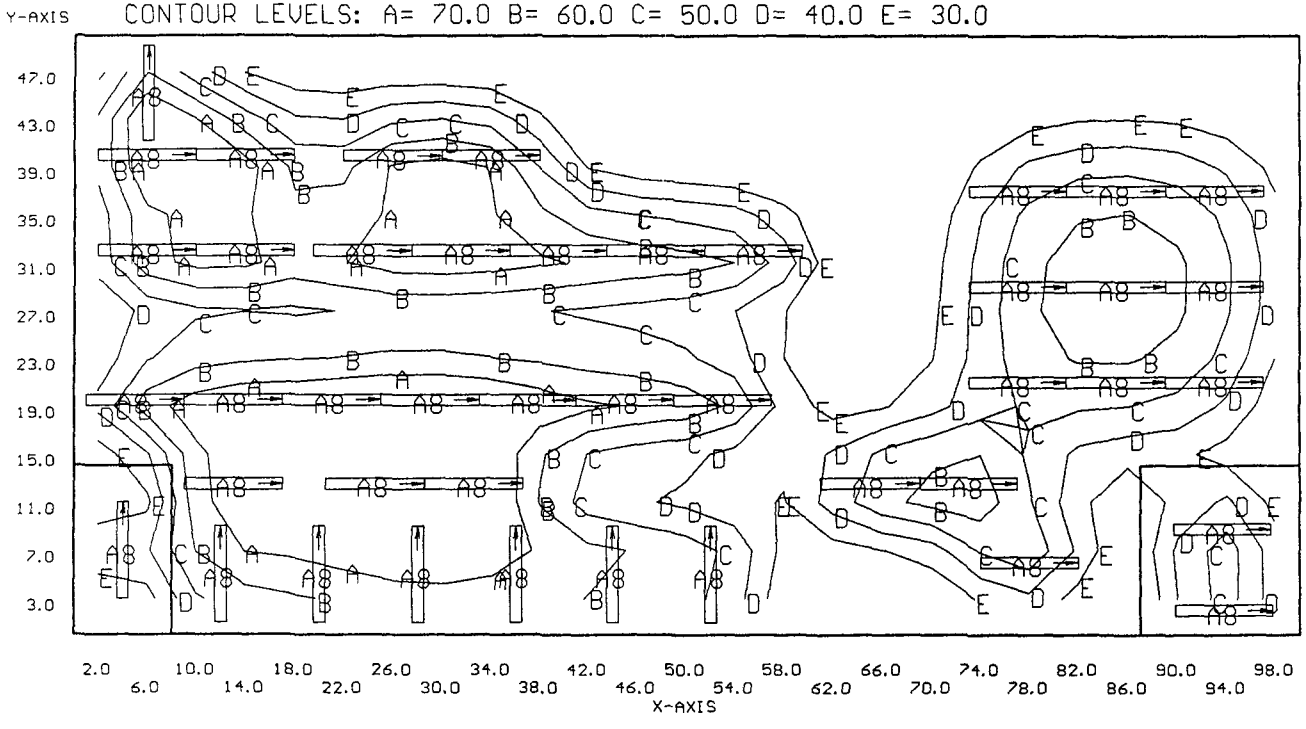
A <43> = K7996 COLUMBIA CSR296-PG, (2) F96T12/CW/WM, LLF= 0.69



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 21:29 8-Mar-95
PROJECT: 32-070 AREA: FOLDING-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.65 MAX=90.0 AVE=46.2 AVE/MIN= 6.96 MAX/MIN= 13.54

A8 <43> = K7996 COLUMBIA CSR296-PG, (2) F096/735, LLF= 0.66

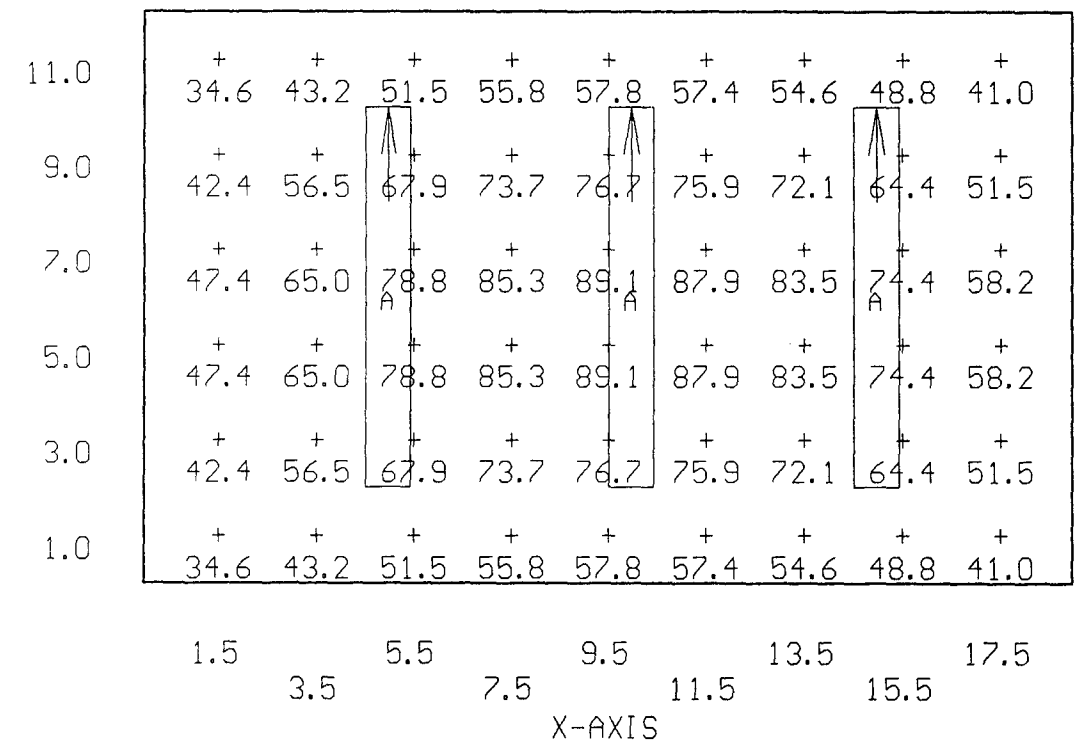


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:43 6-Feb-95
PROJECT: 32-070 AREA: BREAK ROOM GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=34.6 MAX=89.1 AVE=62.8 AVE/MIN= 1.82 MAX/MIN= 2.58

A (3) = K7996 COLUMBIA CSR296-PG, (2) F96T12/CW/WM, LLF= 0.69

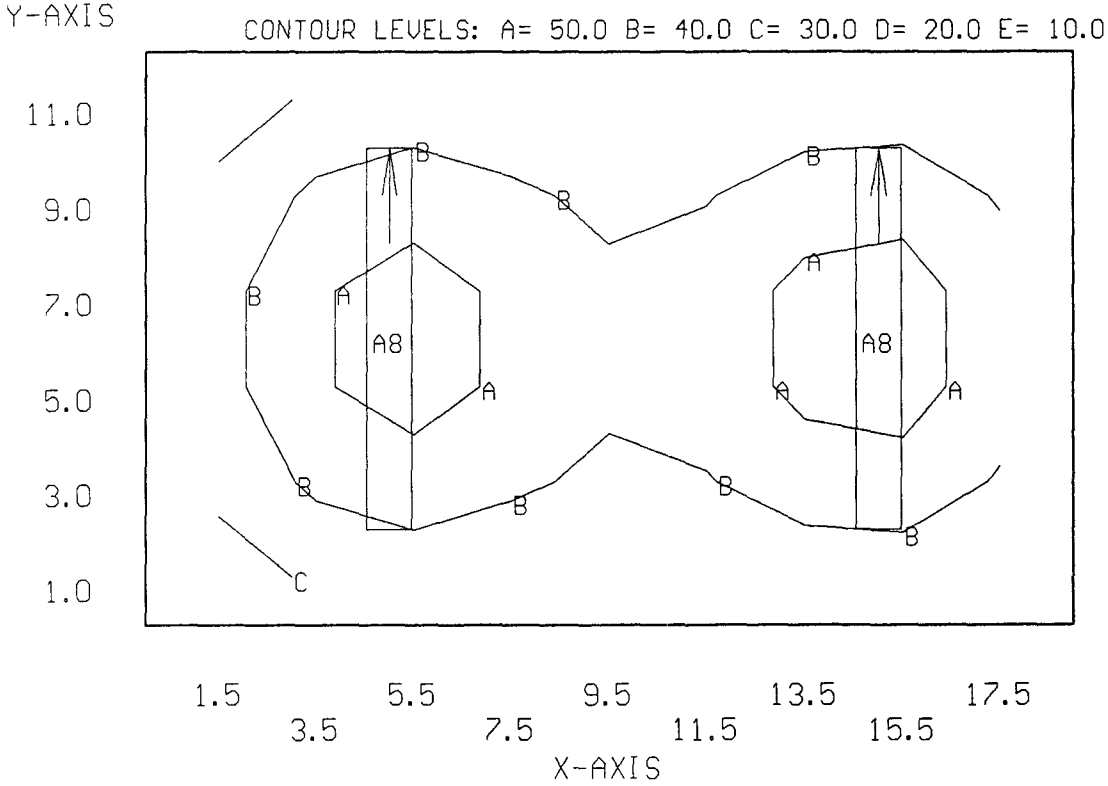
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 21:43 8-Mar-95
PROJECT: 32-070 AREA: BREAK ROOM-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

\+ MIN=25.8 MAX=54.3 AVE=40.0 AVE/MIN= 1.55 MAX/MIN= 2.10

A8 <2> = K7996 COLUMBIA CSR296-PG, (2) F096/735, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:45 6-Feb-95
PROJECT: 32-070 AREA: RESTROOMS GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.96 MAX=46.6 AVE=19.7 AVE/MIN= 4.97 MAX/MIN= 11.78

A (2) = K7996 COLUMBIA CSR296-PG, (2) F96T12/CW/WM, LLF= 0.69

Y-AXIS

11.0	9.22	14.4	23.7	32.0	36.6	35.5	28.9	19.2	12.7
9.0	9.87	16.6	28.0	40.1	46.6	44.8	35.3	22.8	14.0
7.0	9.51	15.9	26.7	38.1	46.0	43.8	34.5	22.4	13.7
5.0	7.56	10.7	12.7	13.8	30.2	32.5	26.2	18.2	12.0
3.0	5.62	6.42	7.78	8.10	18.6	19.2	17.7	13.5	9.91
1.0	3.96	4.52	4.61	4.62	11.5	12.6	11.6	9.63	8.12

A

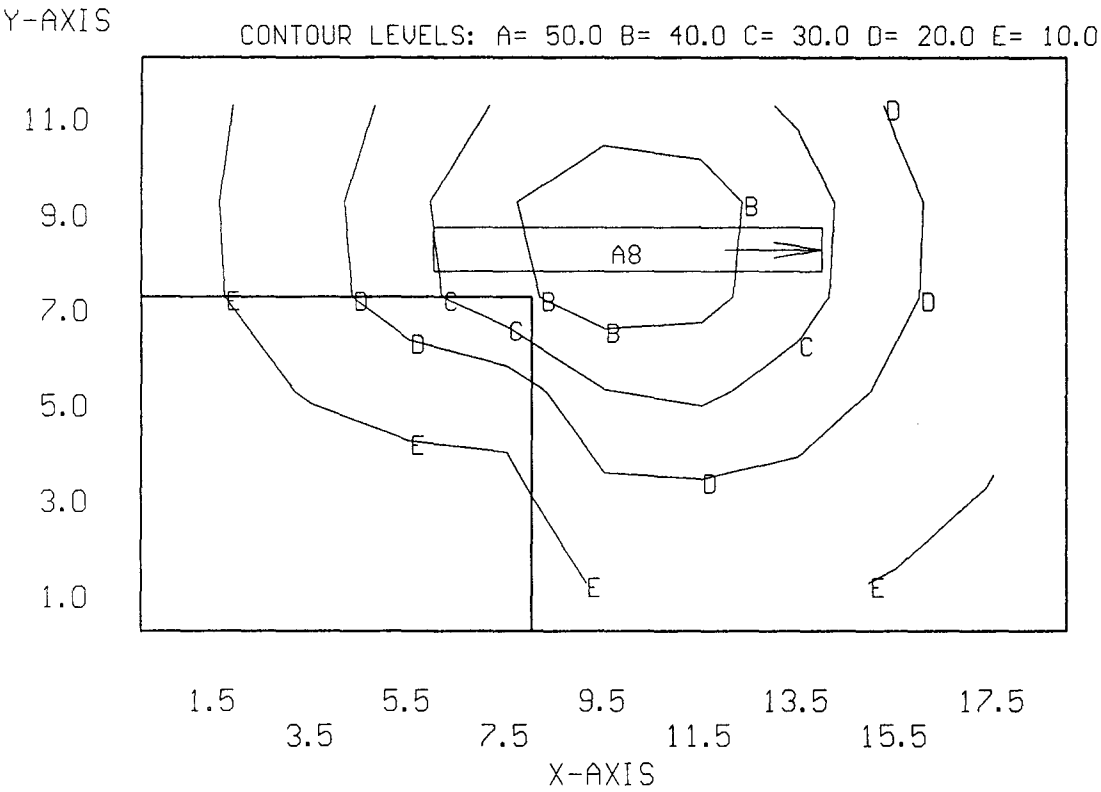
1.5 3.5 5.5 7.5 9.5 11.5 13.5 15.5 17.5

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 21:46 8-Mar-95
PROJECT: 32-070 AREA: RESTROOMS-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.89 MAX=45.8 AVE=19.3 AVE/MIN= 4.97 MAX/MIN= 11.78

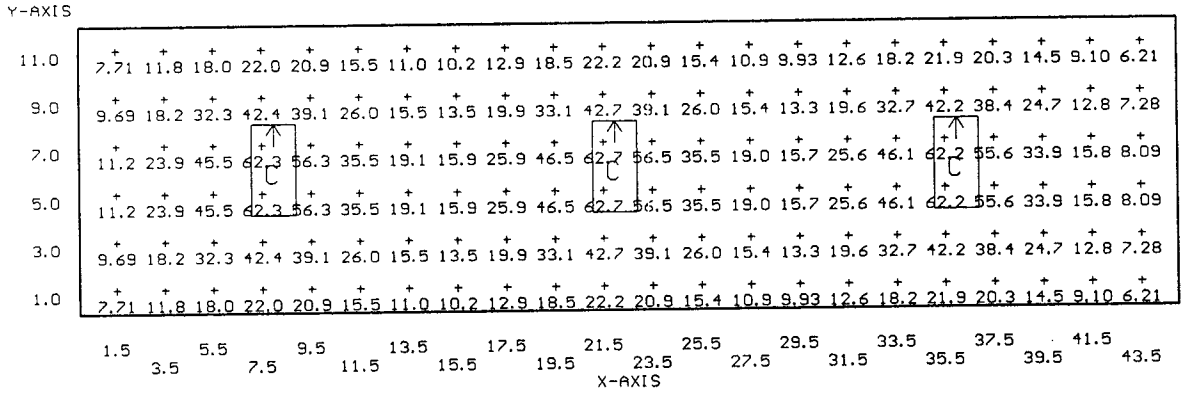
A8 (2) = K7996 COLUMBIA CSR296-PG, (2) F096/735, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:48 6-Feb-95
PROJECT: 32-070 AREA: OFFICE GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.21 MAX=62.7 AVE=25.3 AVE/MIN= 4.08 MAX/MIN= 10.10

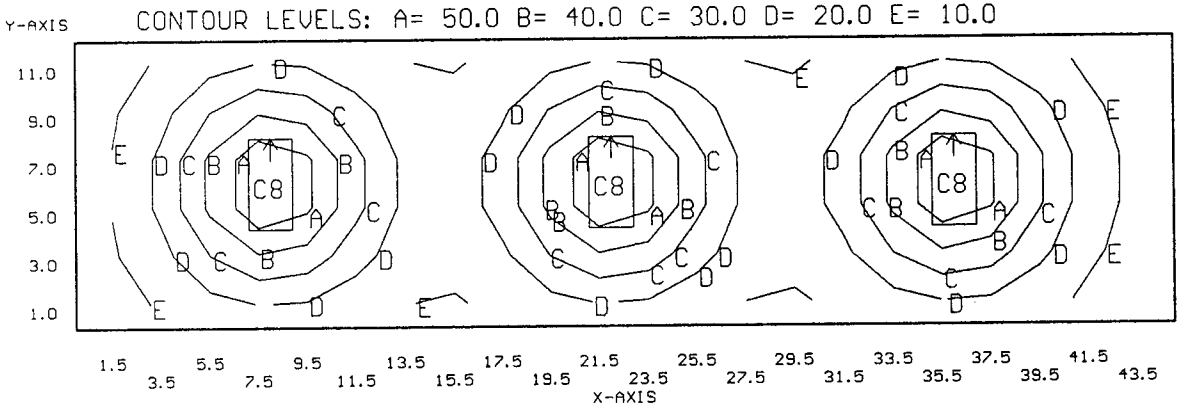
C (3) = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 21:52 8-Mar-95
PROJECT: 32-070 AREA: OFFICE-N GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.72 MAX=57.8 AVE=23.4 AVE/MIN= 4.08 MAX/MIN= 10.10

C8 (3) = 9753 COLUMBIA 4PS2*-87-244, (4) F032/35K, LLF= 0.66



Bldg 32-090 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A	163	50	8,150
B	164	4	656
C	171	6	1,026
Totals		60	9,832

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A2	59	29	1,711
A4	106	1	106
BR	59	24	1,416
W2	59	6	354
Totals		60	3,587

32-090 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-090 Type: Indoor

Luminaire Fixture Schedule / PRESENT

Project name: PBA Lighting Survey - Bldg 32-090 | Project #6941331
Prepared for: CORP OF ENGINEERS | Date: 6-Feb-95
Prepared by: R.SHARMA | UPD: 1.6W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A	2X4 4L FLUSH STATIC TROFFER LENS- .125" POLARIZED PATT.12 COLUMBIA 4PS2*-87-244	F40CW ESB	000 - 163	50	
B	2'X4' 4L SURFACE MOUNT LENS- PRISMATIC A12 COLUMBIA 2SM440-EXA	F40CW ESB	000 - 164	4	
C	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	F40CW ESB	000 - 171	6	
D	8" SURFACE CYLINDER OPEN- CLEAR ALZAK REFLECTOR PRESCOLITE HC8C04CR	LU-100/D STD	000 - 122	12	RARELY USED

NOTES:

32-090 Schedule

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-090 Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA Lighting Survey - Bldg 32-090	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R.SHARMA	UPD: 0.7W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A2	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-242-2EOCT	FO32/31K EOCT	000 - 59	29	
[illegible]4	2X4 4L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-244-4EOCT	FO32/31K EOCT	000 - 106	1	
BR	2X4 ACRYLIC LENS SILVER ECONOMY REFLECTOR METALOPTICS 24EKSO42EP11	FO32/35K EOCT	000 - 59	24	
D	8" SURFACE CYLINDER OPEN- CLEAR ALZAK REFLECTOR PRESCOLITE HC8C04CR	LU-100/D STD	000 - 122	12	RARELY USED
W2	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	6	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-090 Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 32-090	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R.SHARMA	UPD: 1.2W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES	W/SQ.FT	QTY
OFFICE #1	12x18x8Ft	(4) Type B	3.0	1
OFFICE #1-N	12x18x8Ft	(4) Type BR	1.1	1
HALLWAY	12x9x8Ft	(1) Type A	1.5	1
ALLWAY-N	12x9x8Ft	(1) Type A2	0.5	1
HALLWAY	12x6x8Ft	(1) Type A	2.3	1
HALLWAY 2-N	12x6x8Ft	(1) Type A2	0.8	1
RESTROOMS	6x4x8Ft	(1) Type A	6.8	2
RESTROOMS-N	6x4x8Ft	(1) Type A2	2.5	2
OFFICE #2	22x36x8Ft	(15) Type A	3.1	1
OFFICE #2-N	22x36x8Ft	(15) Type A2	1.1	1
OFFICE #3	15x15x8Ft	(1) Type A	0.7	1
OFFICE #3-N	15x15x8Ft	(1) Type A4	0.5	1
FILE ROOM	15x12x8Ft	(2) Type A	1.8	1
FILE ROOM-N	15x12x8Ft	(2) Type BR	0.7	1
OFFICE #4	30x21x8Ft	(6) Type A	1.6	1
OFFICE #4-N	30x21x8Ft	(6) Type BR	0.6	1
OFFICE #5	15x21x8Ft	(4) Type A	2.1	1
OFFICE #5-N	15x21x8Ft	(4) Type BR	0.7	1
OFFICE #6	33x27x8Ft	(8) Type A	1.5	1

OFFICE #6-N	33x27x8Ft	(8)	Type BR	0.5	1
BREAKROOM	35x38x8Ft	(8)	Type A	1.0	1
BREAKROOM-N	35x38x8Ft	(8)	Type A2	0.4	1
CONFERENCE ROOM	16x19x8Ft	(6)	Type C	3.4	1
CONFERENCE RM-N	16x19x8Ft	(6)	Type W2	1.2	1
STORAGE	44x38x8Ft	(12)	Type D	0.9	1
MEN'S ROOM	12x20x8Ft	(2)	Type A	1.4	1
MEN'S ROOM-N	12x20x8Ft	(2)	Type A2	0.5	1

NOTES:

32-090 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-090 Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Bldg 32-090	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R.SHARMA	UPD: 1.2W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
OFFICE #1	12x18x8Ft	GRID	<+> 73.4	111.7	29.0
OFFICE #1-N	12x18x8Ft	GRID	<+> 42.1	63.2	16.7
HALLWAY	12x9x8Ft	GRID	<+> 29.6	70.1	6.6
HALLWAY-N	12x9x8Ft	GRID	<+> 18.2	41.6	3.7
HALLWAY	12x6x8Ft	GRID	<+> 34.4	72.8	10.3
HALLWAY 2-N	12x6x8Ft	GRID	<+> 21.2	43.2	6.4
RESTROOMS	6x4x8Ft	GRID	<+> 57.8	88.9	39.6
RESTROOMS-N	6x4x8Ft	GRID	<+> 34.8	52.7	24.3
OFFICE #2	22x36x8Ft	GRID	<+> 82.6	114.5	20.0
OFFICE #2-N	22x36x8Ft	GRID	<+> 49.8	66.8	12.3
OFFICE #3	15x15x8Ft	GRID	<+> 18.5	66.2	2.0
OFFICE #3-N	15x15x8Ft	GRID	<+> 22.3	79.9	2.0
FILE ROOM	15x12x8Ft	GRID	<+> 39.8	86.5	7.0
FILE ROOM-N	15x12x8Ft	GRID	<+> 32.9	71.2	6.2
OFFICE #4	30x21x8Ft	GRID	<+> 42.4	92.7	4.6
OFFICE #4-N	30x21x8Ft	GRID	<+> 35.3	75.1	4.2
OFFICE #5	15x21x8Ft	GRID	<+> 47.9	75.1	13.2
OFFICE #5-N	15x21x8Ft	GRID	<+> 41.5	62.9	12.1

OFFICE #6	33x27x8Ft	GRID	<+>	39.8	78.3	8.0
OFFICE #6-N	33x27x8Ft	GRID	<+>	34.7	65.3	7.3
BREAKROOM	35x38x8Ft	GRID	<+>	38.6	93.8	3.7
BREAKROOM-N	35x38x8Ft	GRID	<+>	23.2	57.0	2.1
CONFERENCE ROOM	16x19x8Ft	GRID	<+>	86.0	119.5	30.5
CONFERENCE RM-N	16x19x8Ft	GRID	<+>	39.0	53.8	14.3
STORAGE	44x38x8Ft	GRID	<+>	24.8	126.4	2.6
MEN'S ROOM	12x20x8Ft	GRID	<+>	30.4	69.8	6.3
MEN'S ROOM-N	12x20x8Ft	GRID	<+>	18.6	40.6	3.6

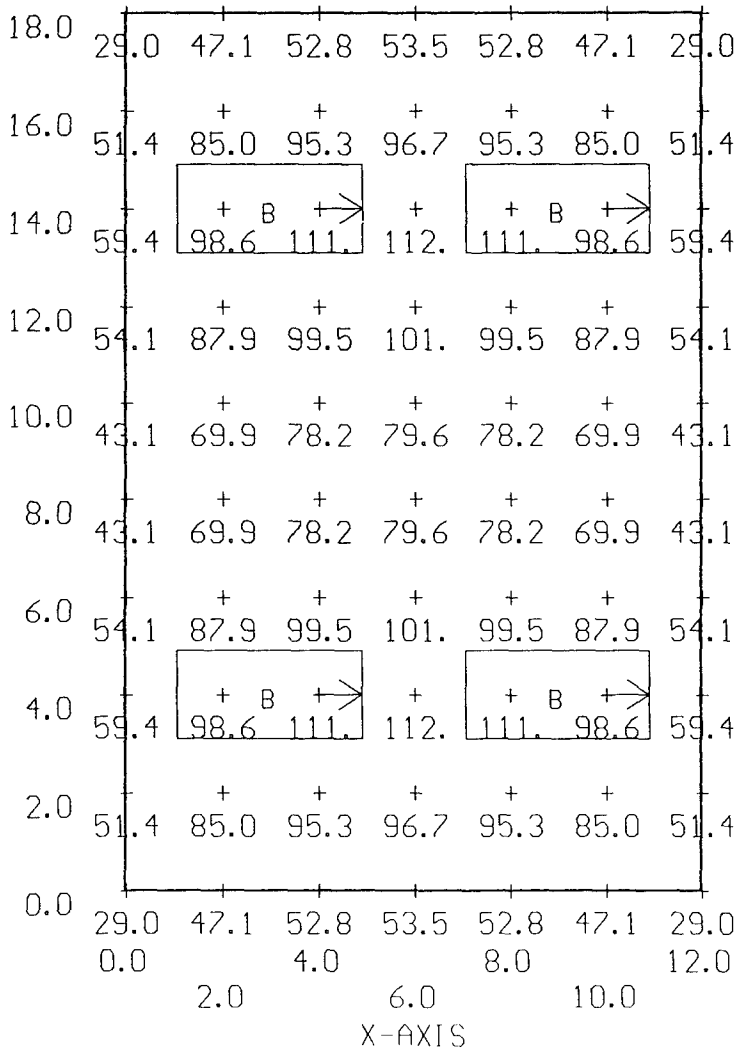
NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:00 6-Feb-95
PROJECT: 32-090 AREA: OFFICE #1 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=29.0 MAX=112. AVE=73.4 AVE/MIN= 2.53 MAX/MIN= 3.86

B (4) = K8277 COLUMBIA 2SM440-EXA, (4) F40CW, LLF= 0.68

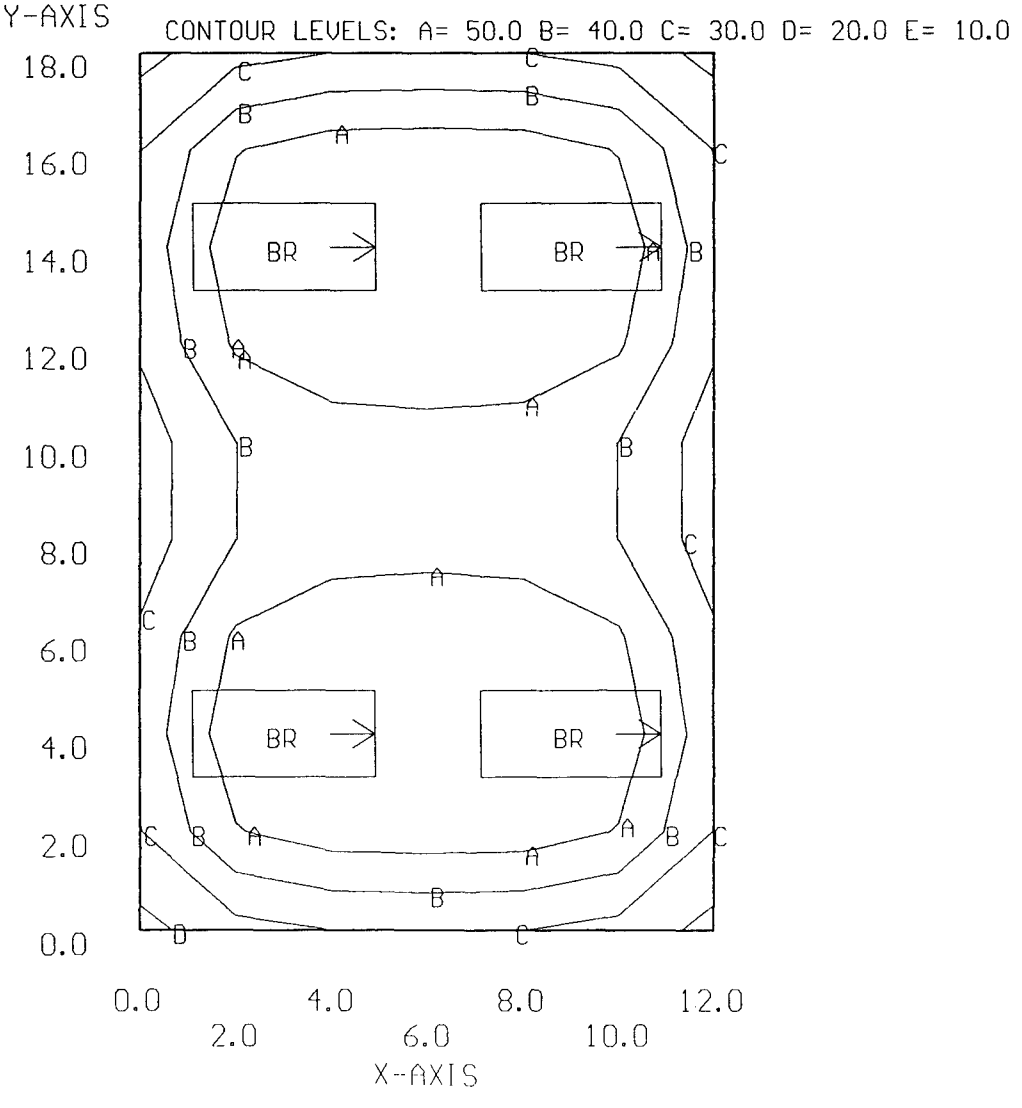
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:32 9-Mar-95
PROJECT: 32-090 AREA: OFFICE #1-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.7 MAX=63.2 AVE=42.1 AVE/MIN= 2.52 MAX/MIN= 3.79

BR (4) = T10620 METALOPTICS 24EKS042EP11, (2) F032/35K, LLF= 0.66

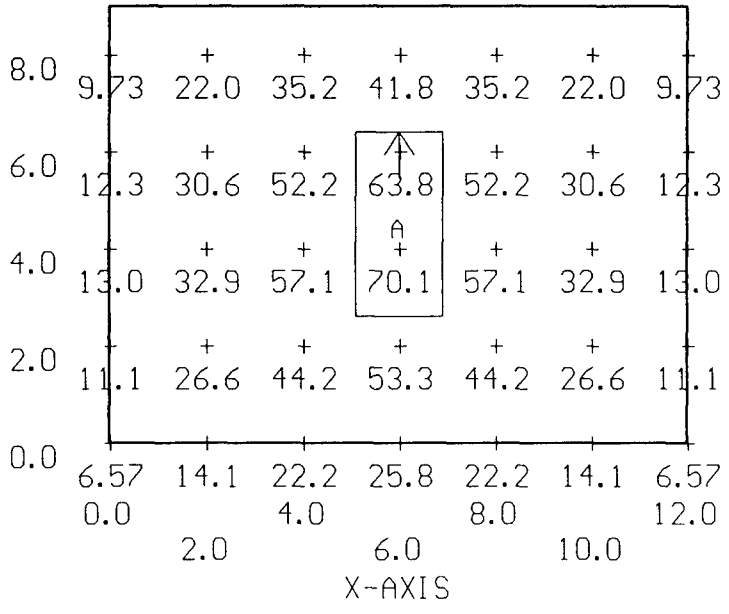


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:03 26-Jan-95
PROJECT: 32-090 AREA: HALLWAY GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.57 MAX=70.1 AVE=29.6 AVE/MIN= 4.50 MAX/MIN= 10.68

A (1) = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68

Y-AXIS

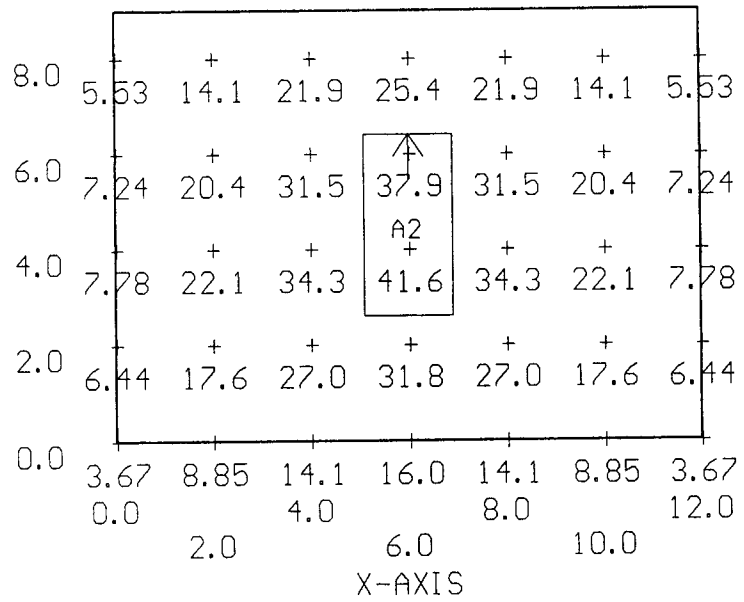


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:36 9-Mar-95
PROJECT: 32-090 AREA: HALLWAY-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.67 MAX=41.6 AVE=18.2 AVE/MIN= 4.97 MAX/MIN= 11.35

A2 <1> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66

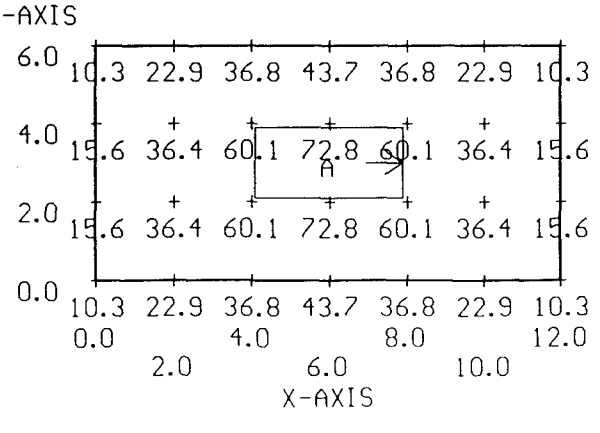
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:11 26-Jan-95
PROJECT: 32-090 AREA: HALLWAY GRID: GRID
Values are FC, SCALE: 1 IN= 5.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.3 MAX=72.8 AVE=34.4 AVE/MIN= 3.33 MAX/MIN= 7.04

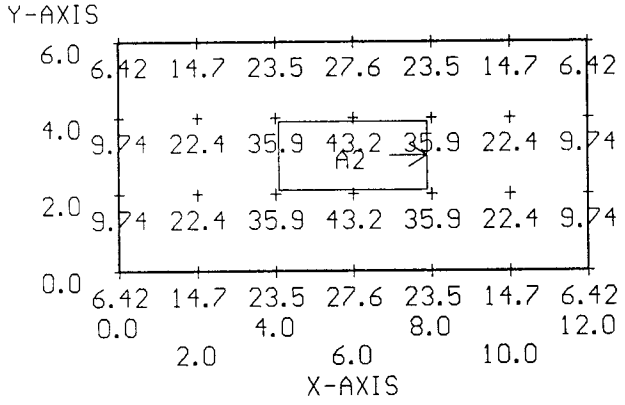
A (1) = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:38 9-Mar-95
PROJECT: 32-090 AREA: HALLWAY 2-N GRID: GRID
Values are FC, SCALE: 1 IN= 5.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.42 MAX=43.2 AVE=21.2 AVE/MIN= 3.29 MAX/MIN= 6.72

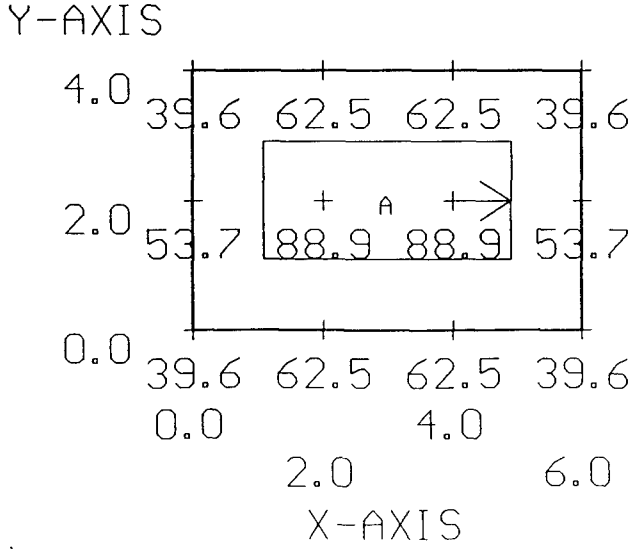
A2 (1) = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:14 26-Jan-95
PROJECT: 32-090 AREA: RESTROOMS GRID: GRID
Values are FC, SCALE: 1 IN= 3.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=39.6 MAX=88.9 AVE=57.8 AVE/MIN= 1.46 MAX/MIN= 2.25

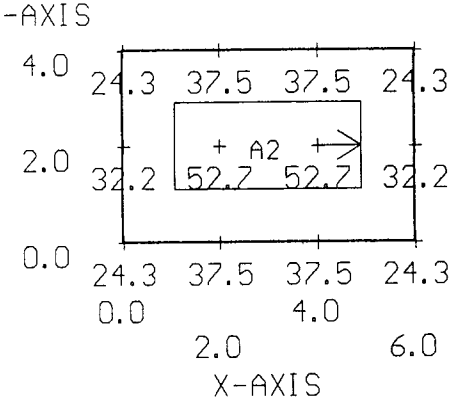
A (2) = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:40 9-Mar-95
PROJECT: 32-090 AREA: RESTROOMS-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.3 MAX=52.7 AVE=34.8 AVE/MIN= 1.43 MAX/MIN= 2.16

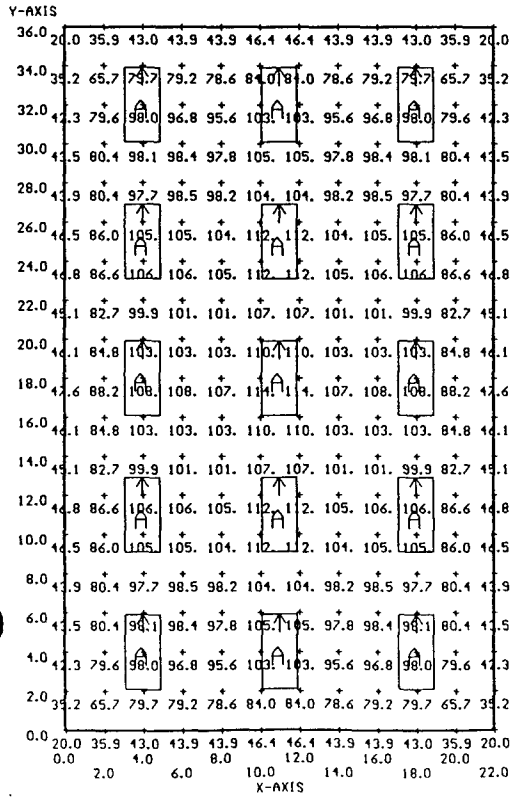
A2 <2> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:21 26-Jan-95
PROJECT: 32-090 AREA: OFFICE #2 GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

MIN=20.0 MAX=114. AVE=82.6 AVE/MIN= 4.13 MAX/MIN= 5.72

A <15> = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68

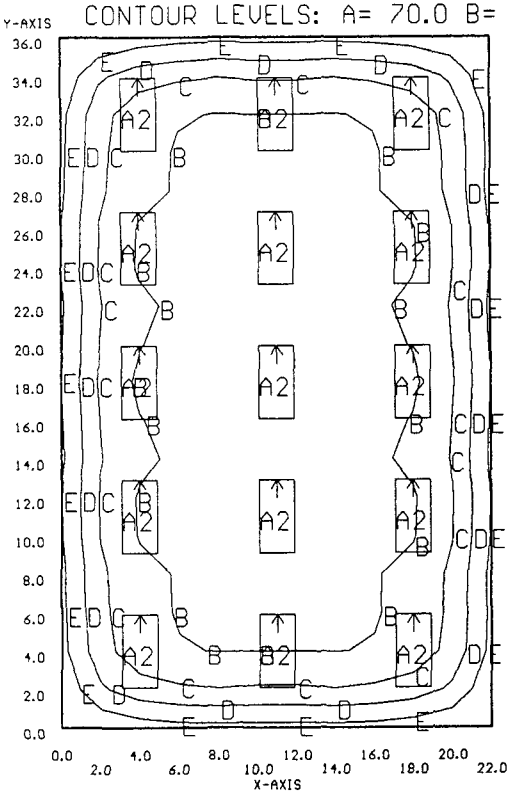


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:51 9-Mar-95
PROJECT: 32-090 AREA: OFFICE #2-N GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.3 MAX=66.8 AVE=49.8 AVE/MIN= 4.04 MAX/MIN= 5.42

A2 (15) = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.66

CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:25 26-Jan-95
PROJECT: 32-090 AREA: OFFICE #3 GRID: GRID
Values are FC, SCALE: 1 IN= 5.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.97 MAX=66.2 AVE=18.5 AVE/MIN= 9.35 MAX/MIN= 33.53

A <1> = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68

Y-AXIS

14.0	3.02	5.79	8.25	10.4	10.9	9.47	6.92	4.86
12.0	4.39	9.32	15.8	22.6	24.4	19.5	12.2	7.15
10.0	6.01	14.4	28.1	43.7	47.9	36.5	20.5	10.3
8.0	6.85	17.6	36.7	59.7	66.2	48.8	25.9	12.0
6.0	6.59	16.5	33.6	53.6	59.2	44.2	24.0	11.4
4.0	5.24	11.8	21.7	32.6	35.6	27.6	16.2	8.73
2.0	3.64	7.29	11.2	15.1	16.1	13.4	9.11	5.85
0.0	1.97	3.57	4.93	6.00	6.26	5.55	4.22	3.00

0.0 2.0 4.0 6.0 8.0 10.0 12.0 14.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:55 9-Mar-95
PROJECT: 32-090 AREA: OFFICE #3-N GRID: GRID
Values are FC, SCALE: 1 IN= 5.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.03 MAX=79.9 AVE=22.3 AVE/MIN= 11.01 MAX/MIN= 39.45

A4 <1> = A9750 COLUMBIA T84PS2*-84-244-4EOCT, (4) FO32/31K, LLF= 0.67

Y-AXIS

14.0	3.22	6.07	8.54	10.7	11.2	9.76	7.23	5.15
12.0	5.02	10.6	19.8	30.4	33.2	25.5	14.5	8.04
10.0	6.83	17.8	35.1	53.5	58.4	45.1	25.5	12.1
8.0	7.48	21.8	45.2	72.2	79.9	59.3	32.3	14.2
6.0	7.89	20.5	41.5	64.7	71.3	53.8	29.9	13.6
4.0	6.01	14.1	27.4	41.4	45.0	35.1	20.1	9.97
2.0	4.06	8.00	12.9	18.9	20.7	16.0	10.1	6.40
0.0	2.03	3.60	4.71	5.39	5.56	5.16	4.15	3.08

0.0 2.0 4.0 6.0 8.0 10.0 12.0 14.0

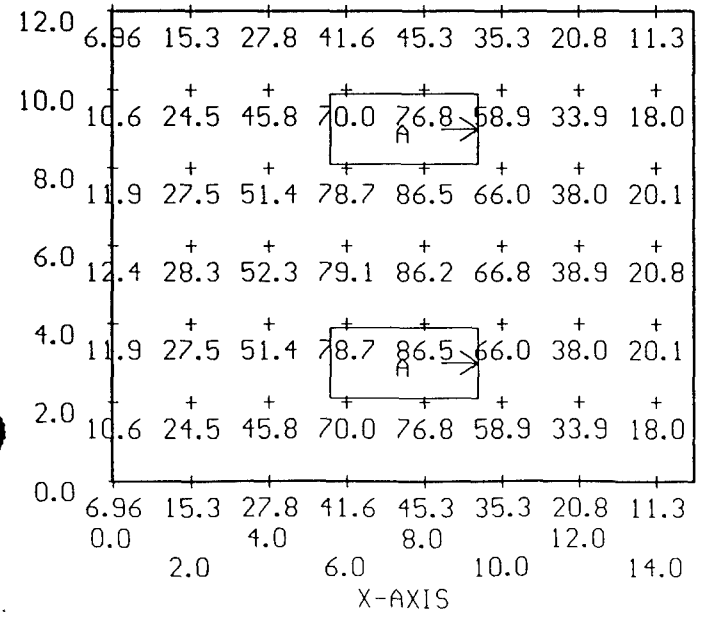
X-AXIS

'SI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:30 26-Jan-95
-ROJECT: 32-090 AREA: FILE ROOM GRID: GRID
Values are FC, SCALE: 1 IN= 5.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.96 MAX=86.5 AVE=39.8 AVE/MIN= 5.72 MAX/MIN= 12.42

A <2> = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68

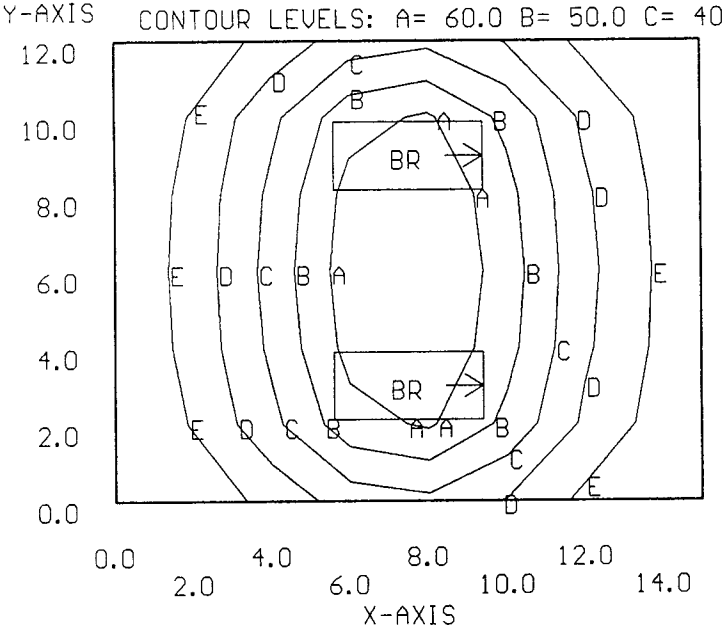
Y-AXIS



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:58 9-Mar-95
PROJECT: 32-090 AREA: FILE ROOM-N GRID: GRID
Values are FC, SCALE: 1 IN= 5.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.15 MAX=71.2 AVE=32.9 AVE/MIN= 5.34 MAX/MIN= 11.57

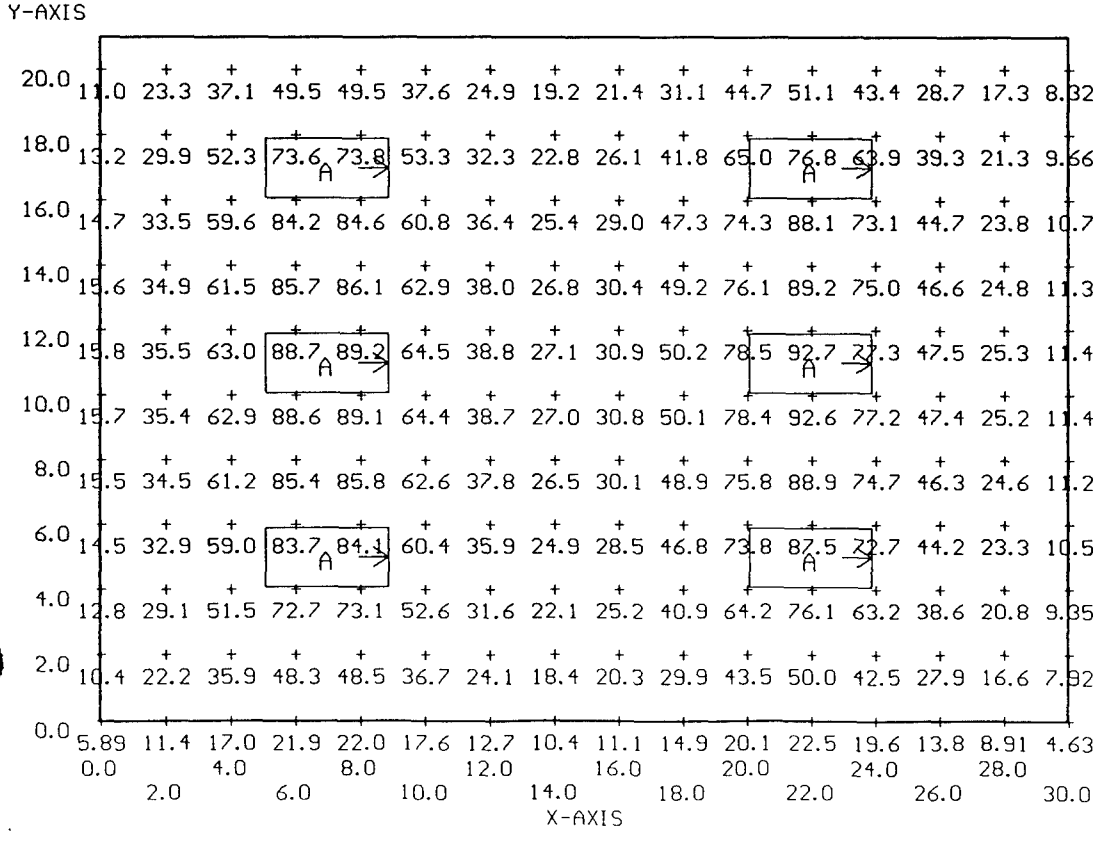
BR (2) = T10620 METALOPTICS 24EKS042EP11, (2) F032/35K, LLF= 0.81



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:38 26-Jan-95
PROJECT: 32-090 AREA: OFFICE #4 GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.63 MAX=92.7 AVE=42.4 AVE/MIN= 9.16 MAX/MIN= 20.03

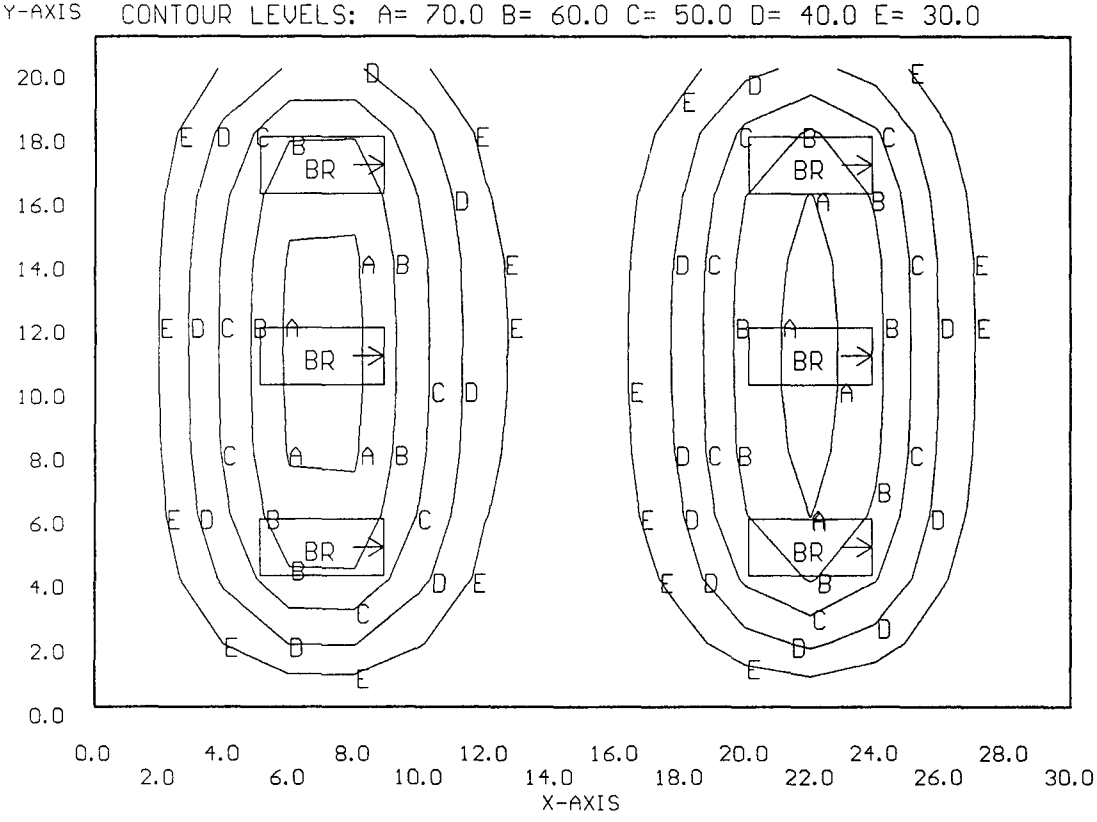
A <6> = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:00 9-Mar-95
PROJECT: 32-090 AREA: OFFICE #4-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.16 MAX=75.1 AVE=35.3 AVE/MIN= 8.48 MAX/MIN= 18.05

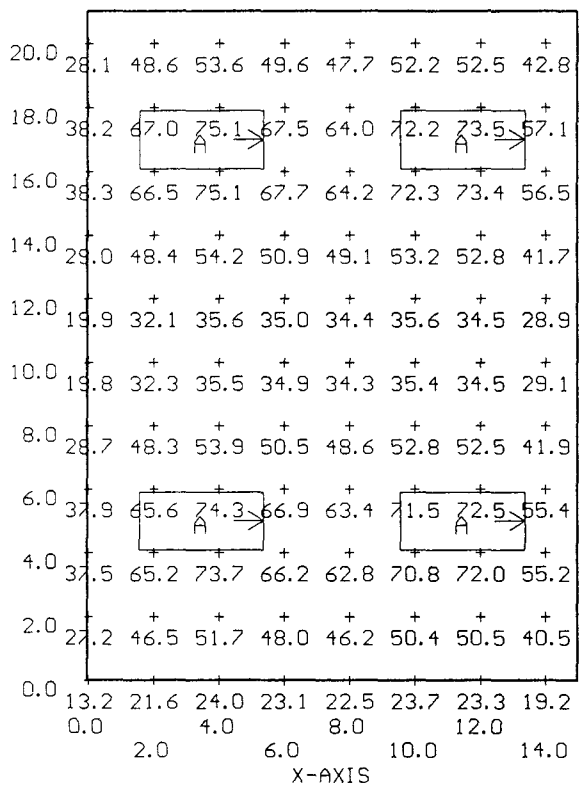
BR <6> = T10620 METALOPTICS 24EKS042EP11, <2> F032/35K, LLF= 0.81



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:06 9-Mar-95
PROJECT: 32-090 AREA: OFFICE #5 GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.2 MAX=75.1 AVE=47.9 AVE/MIN= 3.63 MAX/MIN= 5.70

A (4) = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

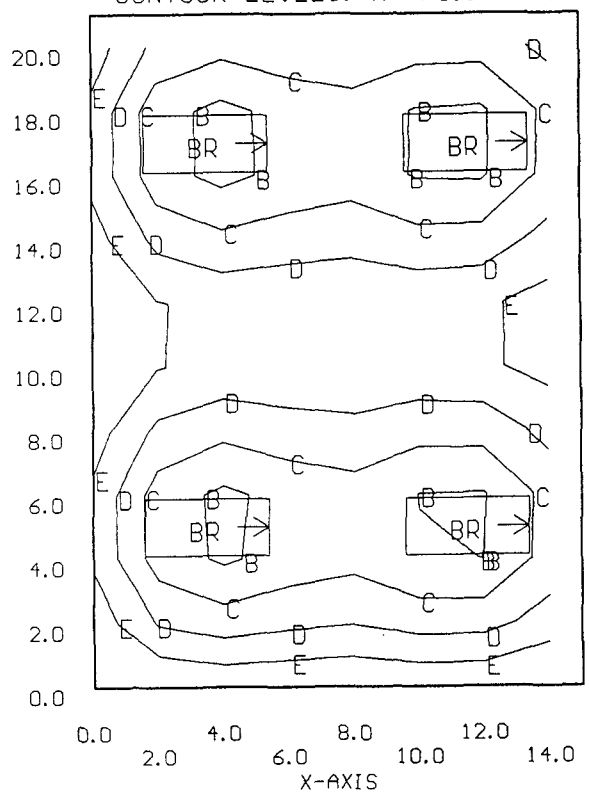


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:08 9-Mar-95
PROJECT: 32-090 AREA: OFFICE #5-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.1 MAX=62.9 AVE=41.5 AVE/MIN= 3.44 MAX/MIN= 5.21

BR (4) = T10620 METALOPTICS 24EKS042EP11, (2) F032/35K, LLF= 0.81

Y-AXIS CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:24 27-Jan-95
PROJECT: 32-090 AREA: OFFICE #6 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

MIN=8.36 MAX=82.1 AVE=41.8 AVE/MIN= 5.00 MAX/MIN= 9.83

A <8> = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68

Y-AXIS

26.0	12.7	27.8	45.8	62.4	62.4	45.3	25.8	15.8	13.2	15.7	25.3	44.2	62.0	62.1	45.5	27.6	17.0
24.0	13.8	31.2	54.9	77.5 A	77.4	54.6	30.7	18.1	14.8	17.9	30.3	54.0	76.9 A	77.1	54.6	30.9	17.5
22.0	14.5	31.7	54.4	75.2	75.2	54.3	31.7	19.3	15.9	19.1	31.5	54.0	74.8	74.8	54.0	31.3	18.0
20.0	14.7	31.7	53.9	73.8	73.7	53.9	32.0	19.8	16.5	19.7	31.7	53.5	73.4	73.3	53.4	31.2	18.2
18.0	14.9	33.1	57.6	80.4 A	80.4	57.7	33.5	20.3	16.7	20.2	33.3	57.4	80.0 A	80.0	57.1	32.5	18.3
16.0	14.9	33.2	57.7	80.6	80.6	57.9	33.7	20.4	16.9	20.3	33.5	57.6	80.2	80.1	57.2	32.6	18.3
14.0	14.9	32.1	54.4	74.4	74.5	54.6	32.6	20.4	17.0	20.3	32.4	54.3	74.1	74.0	53.9	31.5	18.3
12.0	15.0	32.6	55.7	77.0	77.0	55.9	33.1	20.4	16.9	20.3	32.9	55.7	76.7	76.5	55.3	31.9	18.3
10.0	14.8	33.2	58.4	82.1 A	82.1	58.6	33.7	20.3	16.8	20.2	33.5	58.2	81.8 A	81.7	57.9	32.6	18.2
8.0	14.8	32.3	55.4	76.6	76.6	55.5	32.7	20.1	16.6	20.0	32.4	55.2	76.2	76.1	54.9	31.8	18.2
6.0	14.6	31.5	53.6	73.3	73.3	53.5	31.7	19.6	16.2	19.4	31.4	53.2	72.9	73.0	53.1	31.1	18.1
4.0	14.3	31.9	55.6	77.8 A	77.7	55.4	31.7	18.8	15.4	18.7	31.4	54.9	77.3 A	77.4	55.2	31.5	17.9
2.0	13.5	30.1	51.8	72.3	72.2	51.3	29.0	17.2	14.1	17.0	28.5	50.6	71.8	72.0	51.5	29.8	17.3
0.0	8.36	18.2	31.6	43.7	43.7	31.7	18.5	11.2	9.23	11.2	18.4	31.5	43.5	43.5	31.4	17.9	10.1
	0.0		4.0		8.0		12.0		16.0		20.0		24.0		28.0		32.0
		2.0		6.0		10.0		14.0		18.0		22.0		26.0		30.0	

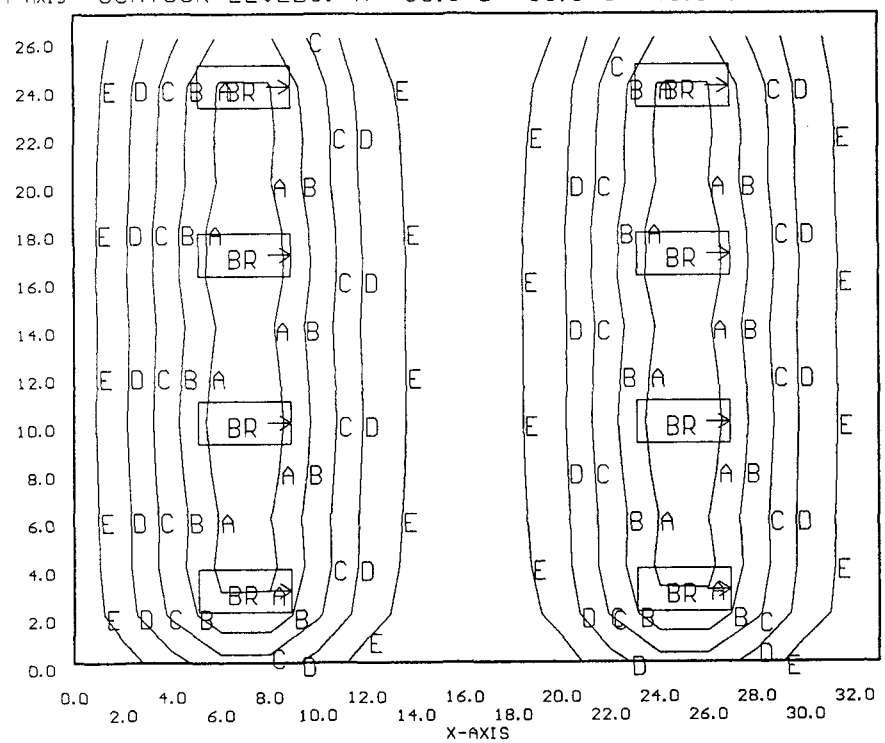
X-AXIS

USi's LITE*PRO V2.27E Point-By-Point Numeric Output 10:11 9-Mar-95
PROJECT: 32-090 AREA: OFFICE #6-N GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=7.31 MAX=65.3 AVE=34.7 AVE/MIN= 4.74 MAX/MIN= 8.93

BR (8) = T10620 METALOPTICS 24EKS042EP11, (2) F032/35K, LLF= 0.81

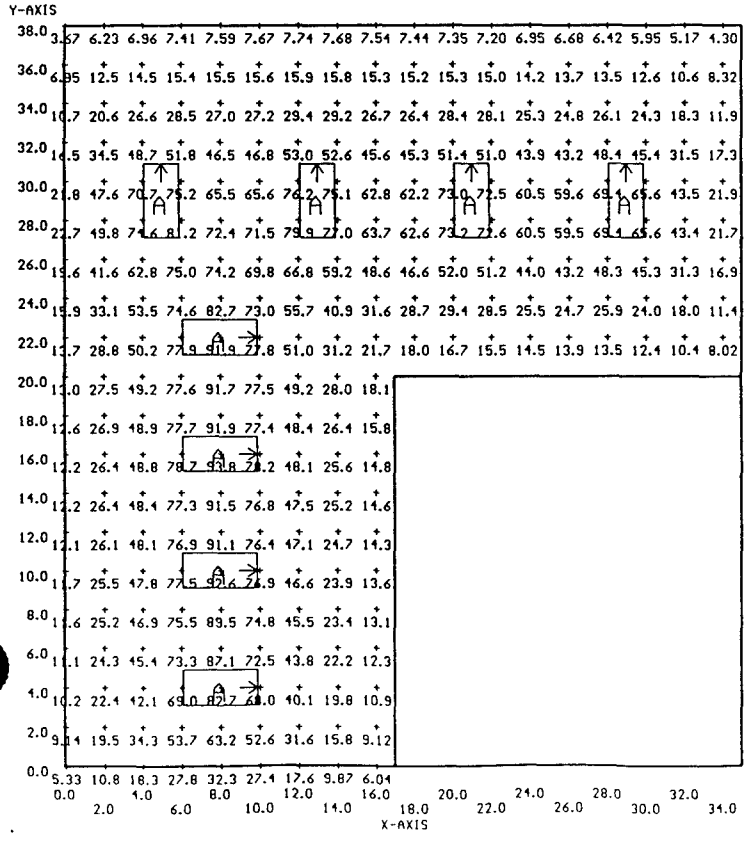
Y-AXIS CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:02 27-Jan-95
PROJECT: 32-090 AREA: BREAKROOM GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.67 MAX=93.8 AVE=38.6 AVE/MIN= 10.51 MAX/MIN= 25.55

A (8) = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68

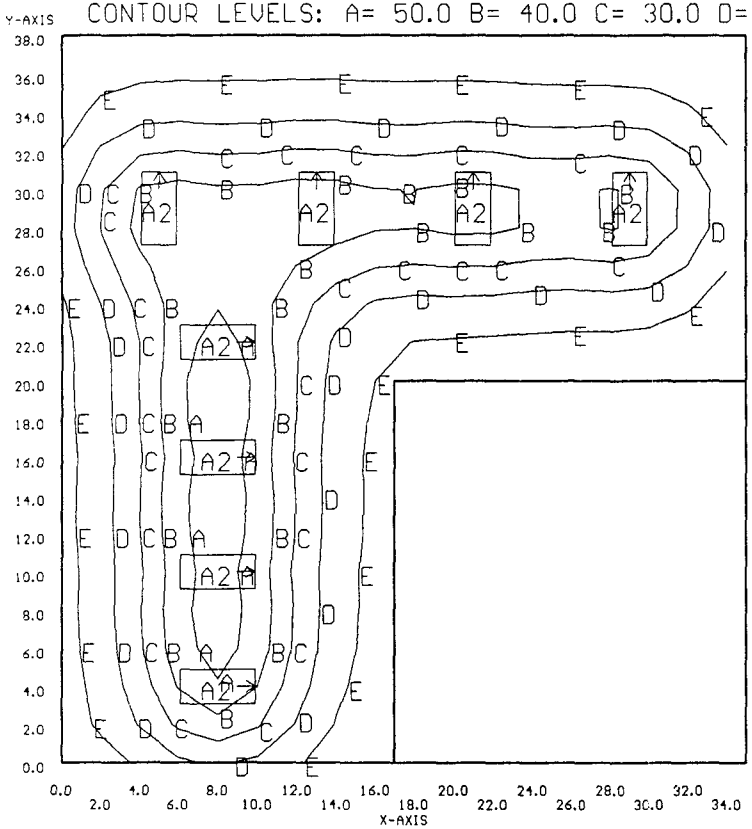


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:14 9-Mar-95
PROJECT: 32-090 AREA: BREAKROOM-N GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.05 MAX=57.0 AVE=23.2 AVE/MIN= 11.33 MAX/MIN= 27.80

A2 <8> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66

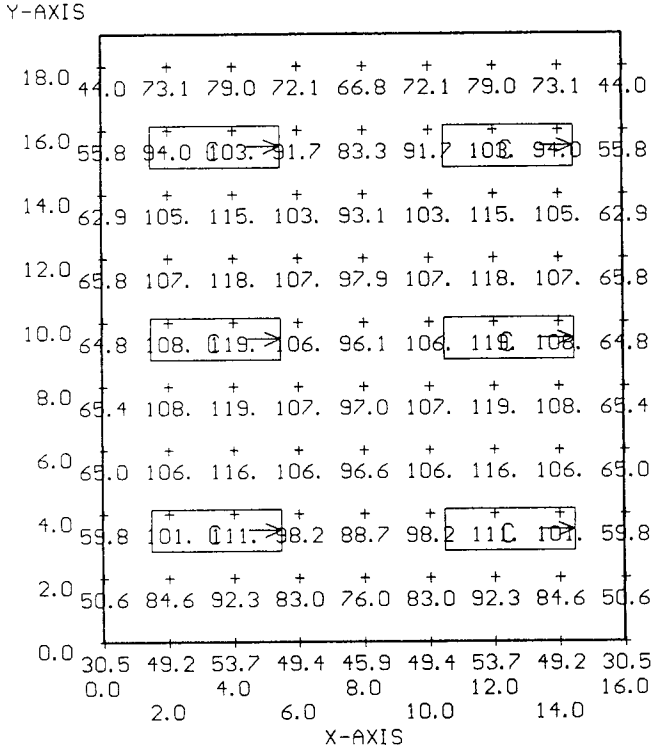
CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:08 6-Feb-95
PROJECT: 32-090 AREA: CONFERENCE ROOM GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=30.5 MAX=119. AVE=86.0 AVE/MIN= 2.82 MAX/MIN= 3.92

C <6> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68

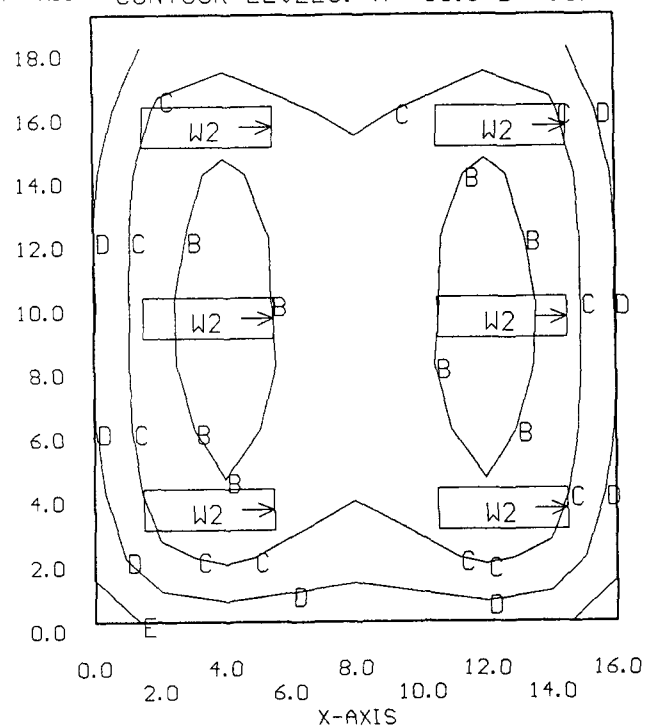


USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:17 9-Mar-95
PROJECT: 32-090 AREA: CONFERENCE RM-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.3 MAX=53.8 AVE=39.0 AVE/MIN= 2.73 MAX/MIN= 3.76

W2 (6) = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

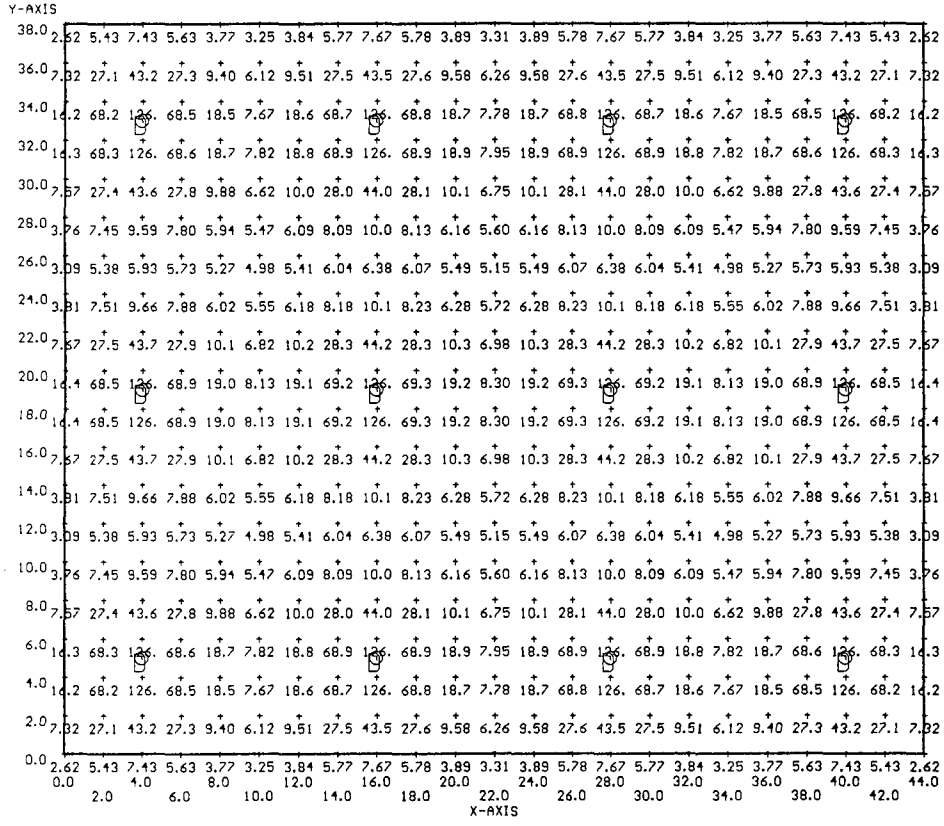
Y-AXIS CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:11 6-Feb-95
PROJECT: 32-090 AREA: STORAGE GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.62 MAX=126. AVE=24.8 AVE/MIN= 9.47 MAX/MIN= 48.26

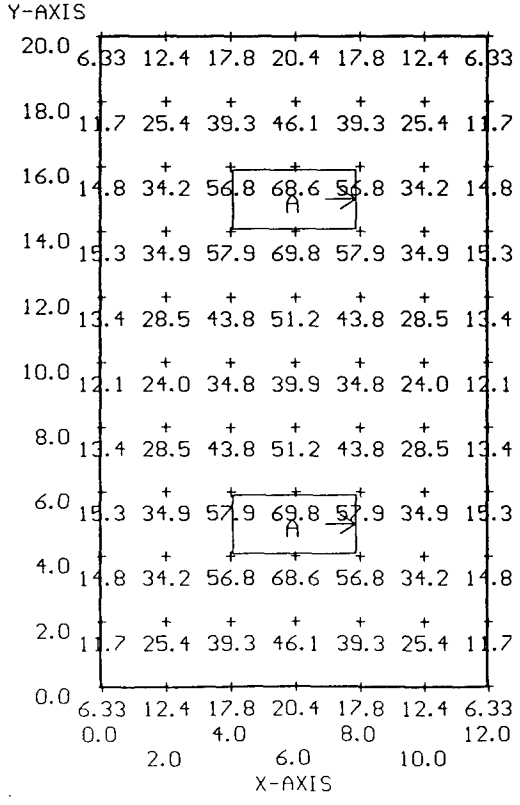
D <12> = B2114A PRESCOLITE HC8C04CR, (1) LU-100/D, LLF= 0.78



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:36 27-Jan-95
PROJECT: 32-090 AREA: MEN'S ROOM GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

MIN=6.33 MAX=69.8 AVE=30.4 AVE/MIN= 4.81 MAX/MIN= 11.03

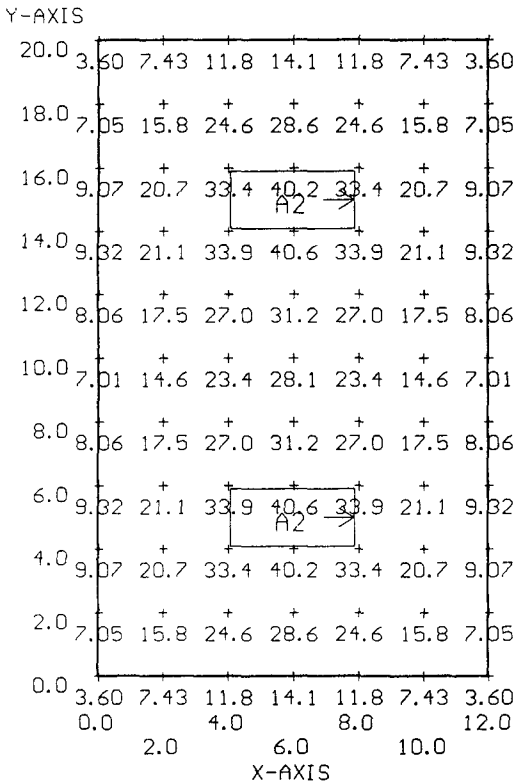
A <2> = 9753 COLUMBIA 4PS2*-87-244, (4) F40WW, LLF= 0.68



USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:19 9-Mar-95
PROJECT: 32-090 AREA: MEN'S ROOM-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.60 MAX=40.6 AVE=18.6 AVE/MIN= 5.16 MAX/MIN= 11.29

A2 (2) = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.66



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